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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
Division of Crop and Livestock Estimates

Office of the Agricultural Statistician - 405-6 Federal Building, Helena, Montana

UNITED STATES CROP SUMMARY - JULY 1, 1935

WHEAT: - Production of all wheat in the United States in 1935 is forecast at 731,045,000 bushels as compared with 496,929,000 bushels produced last year and the 5-year average (1928-1932) production of 860,570,000 bushels.

Winter wheat production is forecast at 458,031,000 bushels, an increase of about 17,000,000 bushels over last month's forecast. The July estimate of the acreage of winter wheat is about 3 per cent above the May estimate because rains during May and June permitted the recovery of some acreage in the hard red winter wheat area that appeared to be dead on May 1.

Production of all spring wheat in 1935 is forecast at 272,954,000 bushels, as compared with last year's extremely short crop of 91,377,000 bushels and the 5-year average (1928-1932) of 242,584,000 bushels.

As compared with last year, when the acreage of spring wheat was held down by unfavorable weather at seeding time and further reduced by severe drouth conditions during the summer, the acreage of spring wheat increased in practically every state. The acreage of all spring wheat for harvest in 1935 is estimated at 20,837,000 acres as compared with 9,281,000 acres harvested in 1934 and the 5-year average (1928-1932) of 20,431,000 acres.

Condition of spring wheat on July 1, 1935 was reported at 85.1 per cent of normal, indicating a yield per acre of 13.1 bushels as compared with 9.8 bushels in 1934 and the 10-year average (1923-1932) of 12.4 bushels. Yields above average are indicated in all of the important spring wheat producing states except Montana and the Pacific Northwest. The latter areas have suffered from lack of moisture. In the Dakotas and Minnesota, weather conditions prior to July 1 were characterized by below normal temperature and plentiful moisture supplies, resulting in a good growth of spring wheat. During the first part of July, conditions over much of the main spring wheat area were favorable to the development of black rust, and reports indicate that a light but general infection occurred in Minnesota, South Dakota and southeastern North Dakota. The appearance of rust at this late date would not ordinarily cause alarm but this year, with the spring wheat crop 10 days to 2 weeks late, the possibilities of damage range from negligible if cool dry weather prevails during the next few weeks to severe if weather conditions continue favorable to the development and spread of rust.

Production of hard red winter wheat is forecast at 219,531,000 bushels; soft red winter 188,458,000 bushels; hard red spring 206,015,000 bushels; durum 39,511,000 bushels; white wheat of both winter and spring varieties, 77,530,000 bushels.

UNITED STATES JULY 1 CROP ESTIMATES

CROP	CONDITION JULY 1			TOTAL PRODUCTION IN MILLIONS			
	Average			: Indicated.			
	1923-32			: June 1 July 1			
	Percent	Percent	Percent:	Average 1928-32	1934:	1935	1935
Corn	Bu.	79.5	71.8	67.5	2,562	1,377	-- 2,045
Wheat, all	"	75.4	52.4	77.1	861	497	-- 731
Winter	"	74.5	57.2	73.0	618	406	441 458
All spring	"	76.7	38.4	85.1	242	91.4	-- 273
Durum	"	76.9	29.6	88.0	54	7.1	-- 37.3
Other spring ...	"	a 73.6	39.3	84.6	188	84.3	-- 236
Oats	"	79.9	40.0	87.5	1,218	526	-- 1,266
Barley	"	80.0	45.9	87.6	283	118	-- 317
Rye	"	76.8	40.2	87.3	38.7	16.0	44.0 53.1
Flaxseed	"	77.6	47.9	77.2	16.0	5.2	-- 14.5
Hay, all tame	Ton	78.2	48.9	84.0	69.6	52.3	-- 74.5
Hay, wild	"	77.4	35.3	81.5	10.8	4.8	-- 11.1
Hay, all clover and timothy b ..	"	a 77.4	48.5	84.8	30.5	16.0	-- 25.7
Hay, alfalfa	"	82.8	57.5	87.0	23.7	19.0	-- 28.9
Pasture	-	81.6	48.9	85.4	--	--	-- --
Beans, dry edible 100-lb bag		82.4	72.9	78.0	11.9	10.4	-- 13.1
Apples, total crop Bu.		59.8	44.9	64.5	c 161	121	-- 170
Potatoes	Bu.	83.9	75.5	82.7	363	385	-- 368
Sugar beets	Ton	85.0	70.8	86.4	8.12	7.48	-- 8.47

a Short-time average.

b Excludes sweet clover and lespedeza (Minor States excluded)

c Includes some quantities not harvested.

Jay G. Diamond,
Sr. Agricultural Statistician.

Helena, Montana,
July 18, 1935.

UNITED STATES DEPARTMENT OF AGRICULTURE
Weather Bureau—Bureau of Agricultural Economics

REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA
Week Ending Tuesday, July 9, 1935.

*Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.
Offices: Fourth Floor, Federal Office Building, Helena, Montana.*

The week ending Tuesday, July 9th, in the western part of the State was cool, cloudy, and marked by frequent showers; in the eastern part it was mostly warm and sunny, and characterized by fewer showers. The northeast was hot. Hail occurred more extensively and damaging than at any other time this season. Two severe hailstorms were reported from the southeast; the first in Dawson and Wibaux Counties on the 3rd, and the second in Yellowstone County on the 5th. Heavy downpours of rain were responsible for local flooding in the east, resulting in the washing out of a few crops and the wrecking of two passenger trains and the injury of a score of persons. A tornado in the Fort Peck area on the evening of July 8th destroyed considerable building property and caused the death of two persons and the injury of a great many others.

Growing conditions were somewhat better this week. Showers checked or retarded the burning of crops in most dryland areas, and temporarily alleviated the moisture shortage. Some limited areas received no moisture at all and others too little to prevent further deterioration of vegetation. In some instances benefit from heavy showers was not as great as one might anticipate from the amounts recorded because of the heavy run-off resulting from the rapid rate of fall. High temperatures and sunny skies were not so favorable for crops and ranges in the east where lack of subsoil moisture has adversely affected growth. Counties immediately bordering on the Dakotas, however, continued to report good crop and growing conditions. Considerable improvement was reported west of the Divide. Showers reduced the fire hazard in dry, western forests.

Haying and attention to irrigation needs provided the principal farm activity. The former was slowed up by damp weather, and hay was somewhat damaged by frequent rains in the west. The first crop of alfalfa is now mostly in the stack, although some remains uncut and awaiting favorable weather. Several communities were obliged to lay out considerable poison for grasshoppers, which have generally been on the increase with the prevalence of warmer weather. Cultivation of row crops made good progress.

Most reports indicate that winter and spring grains are in fairly good condition although suffering or deteriorating in some areas because of drought. Considerable grain is short and light, and some has been abandoned in northern, central, and eastern parts. Winter wheat is filling with rains needed for best results. Earliest fields have matured and are about to turn color. Rye is maturing in the north. Spring wheat and other spring grains are heading. Much of the spring wheat will need continuous good rains to make a crop. Irrigated grain crops are generally in fine condition and making steady and uniform growth. Water supplies for irrigation continue to hold up well. Peas are blooming or setting pods, and are generally in good condition. Beets, potatoes, and garden truck made nice growth and are also in good condition. Some spraying was necessary. Orchards are doing well. Strawberry picking ended in the Bitterroot and began in the Flathead districts.

Some lower ranges and pastures are very dry and short; most are still in fair to good condition though drying continues. Cool, showery weather during the week was especially favorable for western ranges. High ranges continued to make excellent growth. Heavy showers refilled many waterholes. Livestock of all kinds have been doing well with many continuing to put on flesh. Some adjustment or shifting has been necessary in a few dry and overgrazed areas. Marketing continued light.

WEEKLY TEMPERATURE AND PRECIPITATION DATA

Station	Highest temperature	Lowest temperature	Total Precipitation
Billings	94	52	1.39
Bozeman	84	43	0.24
Cut Bank	83	44	0.21
Glasgow	94 *	43 *	1.28 *
Glendive	95	59	1.74
Great Falls	91	48	0.10
Havre	94	52	0.35
HELENA	78	45	0.82
Kalispell	78	40	0.40
Lewistown	89	43	0.50
Miles City	96	58	0.28
Missoula	84	40	0.34

* For 6 days.

*W. E. Maughan, Weather Bureau.
J. G. Diamond, Division of Crop and Livestock Estimates.*

*July 10, 1935.
Helena, Montana.*

THE FOLLOWING COUNTY SUMMARIES OF CROP CONDITIONS FOR WEEK ENDING JULY 6, 1935, ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE EXTENSION SERVICE.

BEAVERHEAD: HEAVY RAINS THROUGHOUT COUNTY. SOME FROST; COOL. CROPS IN GENERAL GOOD. BEGINNING THE FIRST CUTTING OF ALFALFA. SHEARING IS COMPLETED. SOME CLIPS OF WOOL SOLD FOR 25¢. POISONING GRASSHOPPERS IN SEVERAL SECTIONS OF COUNTY.

BIG HORN: - A HALF INCH RAIN COVERED THE COUNTY ON THE 4TH WHICH WILL HELP A GREAT DEAL BUT SOME WINTER WHEAT BURNED TOO BAD TO RECOVER AND SPRING GRAIN WILL NEED CONTINUOUS RAINS TO MAKE CROP. WARM WEATHER PREVAILS. RANGE IS STILL IN SPLENDID CONDITION AND SOME WATER HOLES FILLED BY RECENT RAINS. LIVESTOCK IN GOOD SHAPE. LABOR AMPLE. GRASSHOPPERS APPEARING IN GREATER NUMBERS. POISONING GENERAL. CRICKETS STILL MENACING.

BLAINE: - WEATHER FORE PART OF THE WEEK CLEAR WITH HOT SUNSHINY DAYS. LATTER PART BROUGHT THUNDER SHOWERS RANGING FROM A LIGHT SPRINKLE SOME PARTS TO CLOUD BURSTS IN OTHER PARTS OF THE COUNTY. HOWEVER, ON JUNE 29TH, THE EASTERN PART OF THE COUNTY RECEIVED A HEAVY RAIN OF SHORT DURATION, ACCOMPANIED WITH CONSIDERABLE HAIL IN SOME SECTIONS. CROPS SOMEWHAT IMPROVED IN THE AREAS WHICH RECEIVED RAINS THE PAST WEEK. HOWEVER, MANY AREAS ARE STILL BADLY IN NEED OF MOISTURE. SPRING WHEAT BEGINNING TO HEAD. MANY FIELDS SHOW A LARGE PERCENTAGE OF WHITE CAP. FIRST CUTTING OF ALFALFA WELL UNDER WAY WITH APPROXIMATELY NORMAL YIELDS. RANGE CONDITIONS HAVE IMPROVED SLIGHTLY WHERE RAIN WAS RECEIVED. LIVESTOCK IN GOOD SHAPE. SHEEP SHEARING ABOUT COMPLETED.

CARBON: PRECIPITATION IN BRIDGER VICINITY - .38, WHILE AT RED LODGE IT WAS .13 INCHES. MINIMUM TEMPERATURE AT RED LODGE 45 DEGREES, MAXIMUM 73 DEGREES. CLOUDY AND SHOWERS. CROP CONDITIONS GOOD. MOST ALFALFA HAS BEEN CUT AND MUCH STACKED. LIVESTOCK IN FINE SHAPE. LABOR SITUATION ONLY FAIR.

CARTER & FALLON: - PRECIPITATION .55 OF AN INCH AT BAKER. HEAVY SHOWERS REPORTED THROUGHOUT ALL OF FALLON AND CARTER COUNTIES WITH DAMAGING HAIL IN SOUTHEASTERN PART OF FALLON. WEATHER COOLER AND RAINS HAVE EASED THE DRY WEATHER PERIOD WHICH WE HAVE HAD. CROPS HAVE BEEN DRY UP UNTIL THIS LAST RAIN BUT SITUATION GREATLY RELIEVED AT THE PRESENT TIME. EXTENT OF HAIL NOT FULLY DETERMINED BUT IN AN AREA OF ABOUT 4 MILES WIDE AND 15 MILES LONG HAILED VERY HEAVILY. LIVESTOCK ALL IN GOOD SHAPE WITH SUFFICIENT WATER AND FEED ASSURED FOR THE SUMMER AND FALL. GRASSHOPPERS REPORTED HATCHING IN ALARMING NUMBERS IN CERTAIN PARTS OF FALLON AND CARTER COUNTIES.

DANIELS: - GENERAL GROWING CONDITIONS GOOD. 1.50 INCH RAIN. CROP CONDITIONS VERY GOOD. LIVESTOCK IN GOOD CONDITION.

CUSTER & POWDER RIVER: - PRECIPITATION FOR THE WEEK .65. OCCASIONAL LIGHT SHOWERS AIDING ALL CROPS, ALTHOUGH GENERAL LACK OF SUBSOIL MOISTURE BEGINNING TO TELL. EARLY WHEAT RATHER SHORT AND PROMISES VERY LITTLE GRAIN EXCEPT IN CERTAIN AREAS HAVING PLENTY OF SOIL MOISTURE RESERVE. CORN CONTINUES TO MAKE GOOD GROWTH ALTHOUGH SHORT. FIRST CUTTING OF HAY NOW UP, LIGHT WITH SOME WEEDS. SOME GRAIN CROPS WILL NO DOUBT BE CUT FOR HAY. ALL CROPS UNDER IRRIGATION DOING WELL. ALL STOCK DOING WELL, ESPECIALLY ON BETTER RANGES. STOCK IN DRIER OVERGRAZED AREAS MAY TEND TO LOSE SOME WEIGHT FROM NOW ON. ALTHOUGH THE CALF CROP WAS LIGHT, A LARGER THAN NORMAL PERCENTAGE OF CALVES WILL BE MARKETING BECAUSE OF FEW YEARLINGS BEING HELD OVER.

DAWSON: - LIGHT TO HEAVY SHOWERS FELL OVER THE GREATER PART OF THE COUNTY, AT SOME TIME DURING THE PERIOD. LIMITED AREAS, HOWEVER, RECEIVED NO MOISTURE, AND SOME LOCALITIES ARE RATHER IN NEED. CROP CONDITIONS SHOW DIRECT INFLUENCE OF SHOWERS, AND IN MANY OF THE SECTIONS OF THE COUNTY ARE HOLDING UP VERY WELL. IN OTHER DISTRICTS, WHICH INCLUDE LESS CONSIDERABLY THAN THE ABOVE, ARE NEEDING MOISTURE, BUT CROPS ARE NOT SUFFERING EXCEPT IN VERY LIMITED AREAS. SOME OF THE EARLY GRAINS, AND QUITE A LITTLE OF THE BARLEY AND OATS ARE BEGINNING TO HEAD; CORN HAS RESPONDED TO THE WARMER WEATHER, AND IS MAKING RAPID GROWTH. GRAZING CONDITIONS CONTINUE FAVORABLE, GRASS REMAINING GREEN, AND SOME SPECIES HEADING HEAVILY. LIVESTOCK, ALTHOUGH SUFFERING SOME FROM INSECTS, IS RESPONDING TO THE GRASS GROWTH.

FERGUS: - PRECIPITATION .71. WINTER WHEAT MAKING SATISFACTORY GROWTH, MOSTLY HEADED. LATE PLANTED SPRING WHEAT IN NEED OF MOISTURE. MOISTURE NEEDED IN ALL PARTS OF THE COUNTY FOR GRASS ON RANGE. SOME SECTIONS POISONING FOR GRASSHOPPERS. HOPPERS DOING SOME DAMAGE TO SPRING GRAIN.

FLATHEAD: - PRECIPITATION FAIR, GROWING CONDITIONS EXCELLENT WITH THE DAYS AND NIGHTS BECOMING WARMER. BARLEY HEADING OUT, FIRST CUTTING ALFALFA DOWN, POTATOES COMING ALONG WELL, SOME PEA FIELDS FORMING PODS. LIVESTOCK EXCELLENT, PASTURES IN GOOD SHAPE. SATISFACTORY LABOR SITUATION. STRAWBERRY PICKING STARTED.

GALLATIN: - WARM AND DRY FORE PART OF WEEK; LATTER PART COOLER WITH SCATTERED LOCAL SHOWERS. MOISTURE CONDITIONS IN GENERAL ARE SATISFACTORY, BUT ADDITIONAL MOISTURE WILL BE NEEDED PARTICULARLY IN DRY LAND SECTIONS. DRY LAND SECTIONS NEED RAIN BADLY, WITH FARMERS IN THOSE SECTIONS ESTIMATING 50% TO 75% NORMAL WHEAT CROP. PASTURES AND HAY IN ONLY FAIR CONDITION. IRRIGATED SECTIONS EXPECTING NORMAL CROP YIELDS OF SMALL GRAINS. IRRIGATION WATER SUPPLY STILL PLENTIFUL, AND CONSIDERABLE SNOW REMAINING IN MOUNTAINS INDICATES THAT IT WILL HOLD OUT MUCH BETTER THAN LAST YEAR. HAYING IN FULL SWING WITH YIELDS SOMEWHAT BELOW NORMAL. CANNING PEAS GENERALLY IN GOOD CONDITION, WITH EARLIER SEEDING IN FULL BLOOM. A LIMITED AMOUNT OF GRASSHOPPER POISON IS BEING DISTRIBUTED. SHIPMENT OF FAT LAMBS CONTINUES. RANGE CONDITIONS GOOD. PASTURES IN GOOD CONDITION WITH LIVESTOCK PUTTING ON SATISFACTORY FLESH. NO DEMAND FOR MEN.

GLACIER: - FIRST HALF OF WEEK COLD DRYING WINDS BLEW CONTINUOUSLY. LAST HALF CALM BUT HOT AND DRY. ALL COUNTY BUT SOUTHEAST QUARTER RECEIVED SHOWERS ON THE 4TH. CROPS AND RANGES DEPRECIATED CONSIDERABLY DURING PAST WEEK. CROPS ON POORLY PREPARED LAND SUFFERED SEVERELY. GOOD SUMMERFALLOW LAND STILL HAS PROSPECT TO MAKE A FAIR CROP IF RAIN IS RECEIVED SOON. NATIVE HAY MEADOWS NEED RAIN TO MAKE NORMAL YIELD. IRRIGATED ALFALFA CROP WILL BE BEST IN YEARS.

GLACIER: CONTINUED. HAIL HIT SATURDAY AFTERNOON IN TOWNSHIP 36, RANGE 5 AND 6, CUTTING OFF SEVERAL ACRES OF CROPS BUT EXACT ACREAGE DESTROYED NOT YET KNOWN. ALL LIVESTOCK IN EXCELLENT CONDITION.

GOLDEN VALLEY & MUSSELSHELL: - .43 INCH OF RAIN, MOSTLY IN HARD SHOWERS WITH RAIN MOST ALL RUNNING INTO COULEES. SOME LOCALITIES HAVE HAD MUCH LESS RAIN THIS WEEK AND OTHERS MORE. SPRING CROPS BEING GREATLY DAMAGED BY HOPPERS AND POISON BEING USED QUITE FREELY. HOT, DRY WEATHER BURNING CROPS BADLY IN SOME LOCALITIES. FIRST CUTTING OF ALFALFA MOSTLY IN STACK AND GOOD YIELD REPORTED. LIVESTOCK IN GOOD CONDITION WITH PLENTY OF GRASS, BUT WATER SITUATION IS BECOMING QUITE SERIOUS IN SOME LOCALITIES. LABOR SITUATION SATISFACTORY.

HILL: - .42 INCHES PRECIPITATION FOR THE PAST WEEK. PRECIPITATION DURING THE PAST WEEK IN EASTERN ONE-THIRD OF THE COUNTY HAS ENABLED THE BETTER FARMED LAND TO ABOUT HOLD ITS OWN. LACK OF MOISTURE IN THE WESTERN TWO-THIRDS OF THE COUNTY HAS CAUSED CROPS TO DETERIORATE TO QUITE AN EXTENT. RANGE CONDITIONS ARE RECEDED AND BECOMING POORER. LIVESTOCK IN GOOD SHAPE. A SURPLUS OF LABOR.

LAKE: - HEAVY RAINS SATURDAY AND SUNDAY, WHICH HELPED CROPS IMMENSELY BUT NOT ENOUGH TO INSURE A HEAVY SPRING WHEAT CROP. SHOWERS LATTER PART OF WEEK MAKING WEATHER SOMEWHAT COOLER. HAYING IS WELL UNDER WAY. WHEAT IS BEING CUT FOR HAY AND THE FALL CROP IS WELL MATURED AND SOON WILL TURN COLOR. BEETS AND PEAS CONTINUE TO SHOW PROMISE OF A GOOD CROP. INSECT DAMAGE SMALL. LIVESTOCK IN GOOD CONDITION AS PASTURES ARE NORMAL. LABOR PLENTIFUL.

LEWIS & CLARK: - SEVERAL RAINS DURING THE WEEK WHICH TOTALED .66 OF AN INCH AT THE HELENA STATION. THESE RAINS WERE IN THE FORM OF THUNDER SHOWERS WHICH COVERED ONLY LIMITED AREAS OF THE COUNTY. THE WEATHER WAS GENERALLY COOL DURING THE WEEK. A LARGE PORTION OF THE FIRST CROP OF ALFALFA HAS BEEN CUT, BUT STACKING OPERATIONS HELD BACK BECAUSE OF RAIN. WINTER WHEAT IS STARTING TO FILL AND SPRING WHEAT STARTING TO HEAD. PEAS ARE IN FULL BLOOM AND SOME OF THEM SET PODS. STREAMS HAVE DROPPED VERY RAPIDLY AND IRRIGATION WATER IS SHORT IN THE SOUTHERN PART OF THE COUNTY. RANGE CONDITIONS VERY SPOTTED, THE NORTH PART SHOWING AN EXCELLENT GRASS CROP AND THE SOUTH PART GETTING VERY SHORT OF GRASS. GRASSHOPPERS INCREASING IN PARTS. THEY ARE MORE NUMEROUS ON RANGES THIS YEAR, BUT NOT SO MANY ON CULTIVATED LAND AS LAST YEAR.

MISSOULA: - FAIR WEATHER FIRST OF WEEK CLOUDY AND RAINY LAST OF WEEK. SEVERAL GOOD SHOWERS. DRY LAND CROPS IN WEST PART OF COUNTY STILL SUFFERING FROM LACK OF MOISTURE. SOIL MOISTURE CONDITION IN BALANCE OF COUNTY IS MUCH IMPROVED. SOME HAY HAS BEEN CUT AND DAMAGED BY THE RAINS. FARMERS NOW DELAYING HAY CUTTING UNTIL WEATHER SETTLES. ALL IRRIGATED AND NON-IRRIGATED CROPS MAKING SATISFACTORY DEVELOPMENT EXCEPT IN WEST END OF COUNTY. SOME HAIL DAMAGE REPORTED LAST WEEK. RECENT RAINS WILL IMPROVE RANGE AND PASTURES MATERIALLY.

PARK: - HOT, DRY WINDS PREVAILED THE PAST WEEK. ONE FAIR RAIN FALL WAS RECEIVED IN THE NORTH END OF THE COUNTY AND OVER A SMALL AREA UP THE YELLOWSTONE VALLEY. GRAIN CROPS IN MOST SECTIONS ARE NEEDING RAIN BADLY, WHERE THEY ARE NON-IRRIGATED. LIVESTOCK IN GOOD CONDITION AT PRESENT.

PHILLIPS: - HEAVY PRECIPITATION IN SOUTHERN PART OF COUNTY WITH SCATTERED SHOWERS IN OTHER LOCALITIES, FOLLOWED BY WARM WEATHER. MANY AREAS STILL DRY. PROSPECTS FOR 30 TO 40% CROP IF ALL OF COUNTY RECEIVES RAIN WITHIN THE NEXT FEW DAYS. SOME LOCALITIES INJURED BEYOND RECOVERY. IRRIGATED CROPS GENERALLY GOOD. PRESENT CONDITION FAIR TO GOOD. RECENT RAINS IMPROVED GRASS AND WATER SITUATION IN ABOUT ONE-THIRD OF COUNTY. THE BALANCE IN CRITICAL CONDITION. RAIN NEEDED. NO DEMAND FOR LABOR.

PONDERA: - WEATHER CONTINUES COOL AND DRY. A LARGE PORTION OF THE EAST END OF COUNTY IS BEGINNING TO SHOW EFFECTS OF DROUTH. BY AND LARGE THE WHEAT CROP IN THE CENTRAL PORTION OF THE COUNTY, THE MAJOR WHEAT PRODUCING AREA, IS IN GOOD CONDITION BUT NEEDS RAIN TO CONTINUE POSSIBILITIES OF A GOOD CROP. SOME PLACES WHERE LATE SEEDING OCCURRED THE EFFECTS OF LACK OF SURFACE MOISTURE TO GERMINATE SEED IS INDICATED BY A SMALL STAND AND SHORT GROWTH. THE IRRIGATED SECTION IS, OF COURSE, IN SPLENDID CONDITION. HAYING WILL START AS SOON AS THE FIELDS ARE DRY ENOUGH TO OPERATE. ALFALFA, FIRST CUTTING WILL BE ABOVE NORMAL DUE TO COOL GROWING WEATHER. PASTURES BADLY BURNED. LIVESTOCK HAS CONSIDERABLE FEED AVAILABLE ON RANGE AND PERMANENT PASTURES, EVEN THOUGH IT HAS TURNED BROWN. LABOR BALANCED.

PRAIRIE: - VERY HOT WEATHER ACCOMPANIED BY SCATTERED SHOWERS AND SOME HAIL. CROPS SUFFERING BECAUSE OF AN INSUFFICIENT AMOUNT OF MOISTURE. THIS SITUATION IS RENDERED MORE ACUTE AS THERE IS NO SUB-SOIL MOISTURE. AREA NORTH OF FALLON RECEIVED ITS SECOND HAIL STORM TUESDAY NIGHT, OBLITERATING CROPS. WEEDS ON RANGES ARE DRYING UP AND DISCLOSING A LIGHT STAND OF GRASS. LIVESTOCK IN GOOD CONDITION. MILK FLOW DECREASING AS RANGE DRIES UP. SHEARING COMPLETED. LABOR AMPLE.

RICHLAND: - LOCAL SHOWERS OVER PARTS OF COUNTY DURING MIDDLE OF WEEK WHICH IMPROVED CROP PROSPECTS IN CERTAIN AREAS. SLIGHT AMOUNT OF HAIL FELL ALSO IN CERTAIN PARTS; NO PARTICULAR DAMAGE REPORTED. WESTERN PART OF COUNTY NEEDS MOISTURE; HAS SUFFERED NO GREAT DAMAGE AS YET. PRACTICALLY ALL VALLEY FARMERS HAVE FINISHED WITH THEIR FIRST CUTTING OF HAY. LIVESTOCK IN FAIRLY GOOD CONDITION, GAINING RAPIDLY. ALL SHEEP HAVE BEEN SHEARED TO DATE BUT VERY LITTLE WOOL HAS BEEN MARKETED. SLIGHT OUTBREAK OF GRASSHOPPERS ARE APPEARING IN CERTAIN AREAS ALTHOUGH IT IS NOT ANTICIPATED THAT ANY GREAT AMOUNT OF DAMAGE WILL BE DONE UNLESS WEATHER TURNS VERY HOT.

ROOSEVELT: - CROPS IN SOUTHWEST PART OF COUNTY RUINED BY DROUTH AND HEAT IN LAST THREE DAYS OF JUNE WHILE CROPS IN OTHER PORTIONS ARE INJURED. GOOD RAIN EASTERN FIFTH OF COUNTY ON JULY 1ST, WESTERN THIRD ON JULY 3RD AND ON EASTERN ON JULY 4TH. CENTRAL PORTION OF COUNTY DRY. PASTURES GOOD EXCEPT IN CENTRAL AND SOUTHWEST PORTIONS. SOME GRASSHOPPERS REPORTED BUT DAMAGE IS LIGHT. CONTROL WILL BE LIMITED TO EDGES OF FIELDS. LIVESTOCK IN GOOD CONDITION. PASTURES AND RANGES IN FAIR TO GOOD CONDITION.

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PARK: - HOT, DRY WINDS PREVAILED THE PAST WEEK. ONE FAIR RAIN FALL WAS RECEIVED IN THE NORTH END OF THE COUNTY AND OVER A SMALL AREA UP THE YELLOWSTONE VALLEY. GRAIN CROPS IN MOST SECTIONS ARE NEEDING RAIN BADLY, WHERE THEY ARE NON-IRRIGATED. LIVESTOCK IN GOOD CONDITION AT PRESENT.

PHILLIPS: - HEAVY PRECIPITATION IN SOUTHERN PART OF COUNTY WITH SCATTERED SHOWERS IN OTHER LOCALITIES, FOLLOWED BY WARM WEATHER. MANY AREAS STILL DRY. PROSPECTS FOR 30 TO 40% CROP IF ALL OF COUNTY RECEIVES RAIN WITHIN THE NEXT FEW DAYS. SOME LOCALITIES INJURED BEYOND RECOVERY. IRRIGATED CROPS GENERALLY GOOD. PRESENT CONDITION FAIR TO GOOD. RECENT RAINS IMPROVED GRASS AND WATER SITUATION IN ABOUT ONE-THIRD OF COUNTY. THE BALANCE IN CRITICAL CONDITION. RAIN NEEDED. NO DEMAND FOR LABOR.

PONDERA: - WEATHER CONTINUES COOL AND DRY. A LARGE PORTION OF THE EAST END OF COUNTY IS BEGINNING TO SHOW EFFECTS OF DROUTH. BY AND LARGE THE WHEAT CROP IN THE CENTRAL PORTION OF THE COUNTY, THE MAJOR WHEAT PRODUCING AREA, IS IN GOOD CONDITION BUT NEEDS RAIN TO CONTINUE POSSIBILITIES OF A GOOD CROP. SOME PLACES WHERE LATE SEEDING OCCURRED THE EFFECTS OF LACK OF SURFACE MOISTURE TO GERMINATE SEED IS INDICATED BY A SMALL STAND AND SHORT GROWTH. THE IRRIGATED SECTION IS, OF COURSE, IN SPLENDID CONDITION. HAYING WILL START AS SOON AS THE FIELDS ARE DRY ENOUGH TO OPERATE. ALFALFA, FIRST CUTTING WILL BE ABOVE NORMAL DUE TO COOL GROWING WEATHER. PASTURES BADLY BURNT. LIVESTOCK HAS CONSIDERABLE FEED AVAILABLE ON RANGE AND PERMANENT PASTURES, EVEN THOUGH IT HAS TURNED BROWN. LABOR BALANCED.

PRAIRIE: - VERY HOT WEATHER ACCOMPANIED BY SCATTERED SHOWERS AND SOME HAIL. CROPS SUFFERING BECAUSE OF AN INSUFFICIENT AMOUNT OF MOISTURE. THIS SITUATION IS RENDERED MORE ACUTE AS THERE IS NO SUB-SOIL MOISTURE. AREA NORTH OF FALLON RECEIVED ITS SECOND HAIL STORM TUESDAY NIGHT, OBLITERATING CROPS. WEEDS ON RANGES ARE DRYING UP AND DISCLOSING A LIGHT STAND OF GRASS. LIVESTOCK IN GOOD CONDITION. MILK FLOW DECREASING AS RANGE DRIES UP. SHEARING COMPLETED. LABOR AMPLE.

RICHLAND: - LOCAL SHOWERS OVER PARTS OF COUNTY DURING MIDDLE OF WEEK WHICH IMPROVED CROP PROSPECTS IN CERTAIN AREAS. SLIGHT AMOUNT OF HAIL FELL ALSO IN CERTAIN PARTS; NO PARTICULAR DAMAGE REPORTED. WESTERN PART OF COUNTY NEEDS MOISTURE; HAS SUFFERED NO GREAT DAMAGE AS YET. PRACTICALLY ALL VALLEY FARMERS HAVE FINISHED WITH THEIR FIRST CUTTING OF HAY. LIVESTOCK IN FAIRLY GOOD CONDITION, GAINING RAPIDLY. ALL SHEEP HAVE BEEN SHEARED TO DATE BUT VERY LITTLE WOOL HAS BEEN MARKETED. SLIGHT OUTBREAK OF GRASSHOPPERS ARE APPEARING IN CERTAIN AREAS ALTHOUGH IT IS NOT ANTICIPATED THAT ANY GREAT AMOUNT OF DAMAGE WILL BE DONE UNLESS WEATHER TURNS VERY HOT.

ROOSEVELT: - CROPS IN SOUTHWEST PART OF COUNTY RUINED BY DROUTH AND HEAT IN LAST THREE DAYS OF JUNE WHILE CROPS IN OTHER PORTIONS ARE INJURED. GOOD RAIN EASTERN FIFTH OF COUNTY ON JULY 1ST, WESTERN THIRD ON JULY 3RD AND ON EASTERN ON JULY 4TH. CENTRAL PORTION OF COUNTY DRY. PASTURES GOOD EXCEPT IN CENTRAL AND SOUTHWEST PORTIONS. SOME GRASSHOPPERS REPORTED BUT DAMAGE IS LIGHT. CONTROL WILL BE LIMITED TO EDGES OF FIELDS. LIVESTOCK IN GOOD CONDITION. PASTURES AND RANGES IN FAIR TO GOOD CONDITION.

-3- COUNTY SUMMARIES.

ROSEBUD: - LOCAL THUNDERSTORM OVER SOUTH PORTION OF COUNTY FORE PART OF WEEK. HOT DAYS AND NIGHTS. SHOWERS STARTING EVENING OF JULY 3 AND ALL OF JULY 4TH, GENERAL OVER THE ENTIRE COUNTY. ABOUT .5 OF AN INCH. GRAIN CROP PRACTICALLY GONE IN NORTH HALF OF COUNTY, SOUTH OF RIVER DAMAGE RUNS FROM 10% TO 60% DAMAGE. WINTER WHEAT HOLDING IN EXCELLENT SHAPE. CORN MAKING GOOD GROWTH. ALL IRRIGATED CROPS GOOD. HAYING IN FULL SWING. LIVESTOCK EXCELLENT.

SANDERS: - PRECIPITATION: .39. GENERALLY CLEAR AND WARM WITH SCATTERED LOCAL SHOWERS. GROWING CONDITIONS POOR ON DRY LAND FROM LOW MOISTURE, VERY GOOD UNDER IRRIGATION. FIRST CUTTING HAY MOSTLY IN STACK WITH FAIR CROP UNDER IRRIGATION AND POOR ON DRY LAND. SMALL PROSPECT FOR SECOND CUTTING ON DRY LAND. WINTER WHEAT FAIR TO POOR ON DRY LAND. SPRING GRAIN POOR. SEED PEAS VERY GOOD. GARDENS AND ORCHARDS VERY GOOD CONDITION. CHERRIES RIPE. LOCAL STRAWBERRIES ON MARKET. LIVESTOCK IN GOOD CONDITION. LOWER RANGE VERY DRY, HIGHER RANGE VERY GOOD. HEAVY SURPLUS OF LABOR.

SHERIDAN: - RAIN .42 $\frac{1}{2}$ PLENTYWOOD. SOME HOT WEATHER BUT GENERALLY COOL AND GOOD GROWING WEATHER. CROPS GENERALLY IN GOOD CONDITION WITH SOME TURNING BROWN WHERE RAINFALL HAS BEEN LIGHT OR TILLERING WAS HEAVY. SOUTH AND SOUTHEAST SECTIONS OF COUNTY HAVE NOT HAD ENOUGH RAIN AND CONSEQUENTLY SUFFERING MORE. OTHER AREAS HAVE HAD HEAVY DOWNPOURS. LIVESTOCK IN GOOD CONDITION. LABOR SITUATION IMPROVING.

STILLWATER: - VERY HOT AND DRY FORE PART OF THE WEEK WITH SPRING GRAINS FIRING TO SOME EXTENT. A RAIN ON THE 4TH OF 1.03 INCHES ALLEVIATED THE MOISTURE SHORTAGE. CROP CONDITIONS IN GENERAL GOOD. THE RAIN ON THE 4TH WAS VERY TIMELY. WINTER WHEAT FULLY HEADED. FIRST CROP HAY CUT IN MOST SECTIONS WITH A LIGHT CROP REPORTED GENERALLY. LIVESTOCK IN GOOD CONDITION. SHEEP SHEARING PROBABLY 85% COMPLETED. LIGHTER CLIP THAN LAST YEAR IN GENERAL. SURPLUS OF LABOR. GRASSHOPPER REPORTS CONTINUE TO COME IN BUT SMALL CROP DAMAGE REPORTED SO FAR.

SWEET GRASS: - PRECIPITATION - TRACE. GENERAL GROWING CONDITIONS GOOD. CROP CONDITIONS GENERALLY GOOD THROUGHOUT THE COUNTY. PART OF COUNTY HAD HEAVY RAINS, PART GETTING SOMEWHAT DRY, BALANCE IDEAL WITH WARM WEATHER AND LOCAL SHOWERS. LIVESTOCK GAINING RAPIDLY, FAIR LAMB AND CALF CROP, SHEARING ABOUT COMPLETED. SMALL AMOUNT OF MARKETING OF CATTLE AND LAMBS. LABOR SITUATION ABOUT NORMAL. UNEMPLOYED ONLY IN TRANSIENT LABOR. GRASSHOPPERS GROWING RAPIDLY. HATCH COMPLETE, SITUATION SERIOUS. MORMON CRICKETS SPREADING TO VARIOUS PARTS OF COUNTY.

TETON: - SCATTERED SHOWERS. HOT AND DRY PRACTICALLY ALL WEEK. CROPS IN GENERAL ARE VERY BADLY IN NEED OF RAIN. CROPS IN MOST PARTS ARE SUFFERING FROM DROUTH. HOPPER SITUATION GENERALLY NOT BAD BUT IN SOME SMALL AREAS DAMAGE IS QUITE SERIOUS. RANGE IS DRYING UP FOR LACK OF MOISTURE. LIVESTOCK IN FAIR WAY.

TOOLE: - HOT AND DRY. SHOWERS IN A FEW PARTS ON JULY 4TH. CROPS BADLY IN NEED OF GOOD SOAKING RAIN. RAPIDLY BEGINNING TO TURN AND DECREASED YIELDS ARE APPARENT. RANGES ARE BADLY IN NEED OF MOISTURE AND SOME STOCK IS BEING MOVED TO OTHER GRAZING AREAS. LABOR PLENTIFUL.

VALLEY: - SHOWERS IN VARIOUS PARTS OF COUNTY. GROWING CONDITIONS FAIR. DRY AND HOT. CROP CONDITIONS ONLY FAIR. NORTHERN PART OF COUNTY CROPS ARE GOOD. REST FAIR TO POOR. VERY DRY IN SOME SECTIONS, CONSIDERABLE BURNING. NO MATERIAL CHANGE. NO LABOR NEEDED.

WHEATLAND: - DURING EARLY PART OF WEEK HOT AND DRY. DURING LATTER PART OF WEEK ONE-FOURTH INCH OF RAIN GENERALLY OVER THE COUNTY. DURING THE PAST WEEK GRASSHOPPERS HAVE BEEN SHOWING UP IN MANY AREAS IN THE COUNTY. WHILE THE INFESTATION OF HOPPERS IS BAD IN SOME DISTRICTS AS YET THEY ARE QUITE SPOTTED AND ARE BEING FOUND MOST GENERALLY ON RANGE LAND. SOME DAMAGE IS BEING DONE TO CROPS. THERE HAS BEEN FAIRLY HEAVY DEMAND FOR GRASSHOPPER POISON DURING THE WEEK. CROPS IN THE COUNTY ARE SHOWING EFFECTS OF DROUTH. SOME CROPS HAVE BEEN BURNED TO THE EXTENT THAT THEY ARE BEING ABANDONED. RANGE GRASS HAS BURNED BADLY DURING WEEK.

WIBAUX: - WARM WEATHER DURING THE WEEK. SOME GRAIN FIRING. RAIN AND COOLER WEATHER NEEDED. PRECIPITATION FOR WEEK AT WIBAUX .95 INCH. SOME HAIL REPORTED. A FEW GRASSHOPPER REPORTS THE LAST FEW DAYS, NO DAMAGE REPORTED. CORN IS BACKWARD, BUT HAS BEEN IMPROVING THE PAST WEEK DUE TO WARMER WEATHER. NO WOOL SALES REPORTED.

YELLOWSTONE: - UNSETTLED AND WARM FIRST PART OF WEEK, COOLER LATTER PART. SCATTERED SHOWERS. 1.44 INCH PRECIPITATION. MOISTURE RECEIVED THIS WEEK WILL BE OF CONSIDERABLE BENEFIT TO WINTER WHEAT WHICH IS IN THE FILLING STAGE AND TO ALL OTHER CROPS. A GOOD WINTER WHEAT CROP IS IN THE MAKING, PROVIDED SOME ADDITIONAL MOISTURE IS RECEIVED. ALL CROPS UNDER IRRIGATION ARE IN GOOD CONDITION WIND AND HAIL STORMS FRIDAY EVENING, RESULTING IN CONSIDERABLE DAMAGE IN CROPS IN SEVERAL COMMUNITIES AROUND BILLINGS. LIVESTOCK IN FAIR CONDITION. RANGES AND PASTURES STILL HOLDING UP GOOD.

JUDITH BASIN: - TEMPERATURE VERY WARM; HOT WINDS AND DRY WEATHER; PRACTICALLY NO PRECIPITATION. NOT MUCH CHANGE IN CROPS EXCEPT MOST CROPS ARE BEGINNING TO SUFFER SERIOUSLY FROM LACK OF MOISTURE AND THE RANGE IS BEGINNING TO TURN BROWN. GROWING CONDITIONS ARE POOR. LIVESTOCK STILL DOING VERY WELL.

UNITED STATES DEPARTMENT OF AGRICULTURE
Weather Bureau --- Bureau of Agricultural Economics

REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA
Week Ending Tuesday, July 16, 1935.

*Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.
Offices: Fourth Floor, Federal Office Building, Helena, Montana.*

Cool weather early in the week was followed by rising temperatures and the first real and general hot spell of the season to date. Maxima temperature readings of 100°, or higher, were reported during the latter half of the week from all parts of the State, except the northwest, and immediately east of the Divide. High night temperatures accompanied warm days. Sunshine was excessive. Good showers, some of which were of cloudburst proportions and accompanied by severely damaging wind and hail, fell in the more eastern part of the State at the beginning of the week. The showers were not uniformly distributed, and some fell too rapidly for crops to derive much benefit. The remainder of the week in the east and the entire week in the west was exceedingly dry. As the week closed excessively high temperatures and sunny skies were depleting soil moisture rapidly in all sections.

Weather conditions were favorable for farm work. Rains rendered soil conditions ideal for plowing in the northeast, and their cessation generally after the first of the week permitted stacking of hay that had lain continually through rains of the preceding week as well as resumption of cutting of other stands. Cultivation of row crops and irrigation continued as needed. Increasing grasshopper damage made spreading of additional poison necessary in south-central and eastern fields, especially where heavy damage was being done to irrigated crops.

Crops suffered from heat and drought, but made fairly satisfactory progress except in much of the north-central section, and some scattered and less extensive areas elsewhere. Best growth of dryland crops appeared to be in the northeast and east-central sections. Considerable improvement was also reported from the west.

Winter wheat turned rapidly with the arrival of hot weather. Harvesting began in Lake County, and is expected to start generally in the southeast in another week. Its condition is mostly good although there are numerous bad spots, mostly the result of continued drought. Hot, dry weather is adversely affecting filling. Spring wheat suffered more than winter wheat, and like winter wheat ranges from poor to very good. And in common with small grain feed crops needs rain to mature a good crop. Irrigated grains continued to make excellent headway, except where insects and hail damaged. Water is running low in the southwest. Hot weather stimulated the growth of corn and beets. Flax and peas are reported in various stages of development depending upon their planting time. Earliest flax is in blossom; earliest peas are being vined. Mustard fields are in blossom, dropping petals, or going into pods. Blight has affected the apple crop to some extent in the Bitterroot; otherwise, the fruit crop is reported progressing in good shape. Cherry harvest is about a week away in the Flathead district. Potatoes continue good.

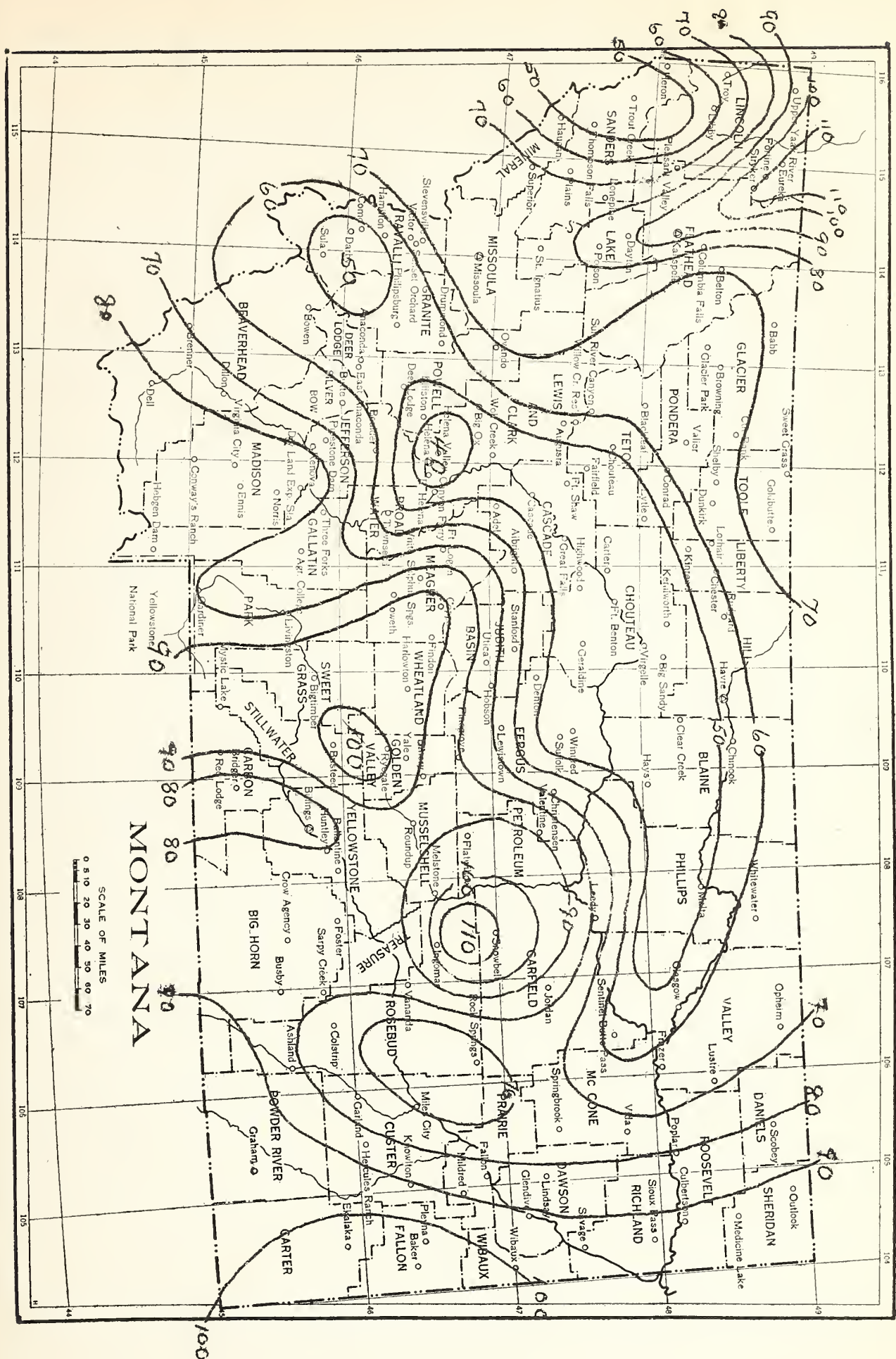
Recent rains improved ranges and pastures in the west, and more especially in the extreme east. Central areas continued to dry out; some are completely dried up. In some eastern districts grass has continued green and is now heavily heading; in other parts of the east grass previously dry or nearly dry has revived and has greened up again although stands are thin. Some counties in the extreme southeast feel assured at the present time that sufficient feed and water are available for summer and fall needs. Heavy showers cleaned out and replenished waterholes in the east, but in the west drought and hot weather has caused creeks and waterholes to drop sharply. For the most part livestock continue in fine shape. Stock sales have increased seasonably.

WEEKLY TEMPERATURE AND PRECIPITATION DATA

Station	Highest temperature	Lowest temperature	Total Precipitation
Billings	101	53	0.02
Bozeman	91	43	T
Cut Bank	96	42	0.07
Glasgow	102	49	0.03
Glendive	100	56	1.07
Great Falls	99	45	0.06
Havre	102	52	0.01
HELENA	97	49	T
Kalispell	94	46	0.02
Lewistown	95	42	0.23
Miles City	100	56	1.05
Missoula	100	40	0.02

*W. E. Maughan, Weather Bureau.
J. G. Diamond, Division of Crop and Livestock Estimates.*

*July 17, 1935.
Helena, Montana.*



This map shows the percentage of normal precipitation that has occurred in Montana during the first three months, April, May, and June of the 1935 crop growing season.

Percentage lines are drawn for each 10 per cent of normal.

Extremes of percentage range from a low of 54 per cent at Helena to a high of 116 per cent at Fortine.

Monthly percentages of precipitation for the State, as a whole, for this season, are: April, 97; May, 75; and June, 60. Normal precipitation in inches is: April, 1.15; May, 2.20; and June, 2.50.

THE FOLLOWING COUNTY SUMMARIES OF CROP CONDITIONS FOR WEEK ENDING JULY 13, 1935, ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE EXTENSION SERVICE.

BEAVERHEAD: SEVERAL HEAVY RAINS. WARMER WEATHER. CROPS DOING WELL. FIRST CUTTING OF ALFALFA WELL UNDER WAY. IRRIGATION WATER LOW. LIVESTOCK IN GENERAL IS IN GOOD CONDITION. A SEALED BID SALE WAS HELD ON A WOOL POOL, CONSISTING OF 18 CLIPS. BIDS RANGED FROM 19¢ TO 24 5/8¢. ALL BIDS WERE REJECTED.

BIG HORN: - EXCEPT FOR LOCAL SHOWERS APPROACHING CLOUDBURSTS IN SPOTS ACCOMPANIED BY HAIL, WEATHER HAS BEEN WARM AND DRY THE PAST WEEK. HAIL DID CONSIDERABLE DAMAGE TO IRRIGATED CROPS AND SOME DRYLAND IN VICINITY OF HARDIN. HARVEST TO START IN ABOUT 10 DAYS WITH WINTER WHEAT RANGING FROM GOOD TO BAD OVER THE COUNTY. FIRST ALFALFA IN STACK AND IRRIGATING IS GENERAL IN VALLEY. GRASS ON THE RANGE IS RIPENING AND CATTLE PUTTING ON FLESH. LABOR AMPLE.

BLAINE: - HEAVY SHOWERS THROUGHOUT THE COUNTY FOREPART OF WEEK, WITH COOL NIGHTS. VERY WARM LATTER PART. CROPS VERY FAVORABLE IN MOST PARTS OF THE COUNTY; HOWEVER, THE WHEAT CROPS IN THE NORTHWESTERN PART ARE PRACTICALLY ALL BURNED. SUGAR BEET CROP VERY GOOD. RANGE CONDITIONS HAVE IMPROVED CONSIDERABLY THE PAST WEEK DUE TO RAINFALL. STOCK IN GOOD CONDITION. LOTS OF STOCK WATER.

CARBON: - RED LODGE STATION GIVES PRECIPITATION .28 IN. FOR THE WEEK. WEATHER IN CLARKS FORK VALLEY AND JOLIET VICINITY VERY HOT, WITH TEMPERATURE RANGING BETWEEN 90 AND 100 DEGREES, WITH NO PRECIPITATION. GRASSHOPPERS ARE GETTING VERY BAD, ESPECIALLY IN THE IRRIGATED SECTIONS. PRACTICALLY ALL HAY CUT AND PUT UP IN GOOD SHAPE. WHEAT FIELDS IN THE LOWER SECTIONS ARE PRACTICALLY DRIED OUT AND WILL NOT MAKE ANYTHING. HOWEVER, FAIRLY GOOD STANDS ARE REPORTED IN THE HIGHER SECTIONS OF THE COUNTY. APPLE CROPS ARE COMING ALONG IN FAIR SHAPE. STOCK FAT AND IN VERY GOOD CONDITION. RANGE AND PASTURE STILL FINE IN ALL SECTIONS.

CARTER & FALLON: PRECIPITATION IN BAKER .30 INCH. WEATHER COOLER. SHOWERS REPORTED IN PARTS OF THE TWO COUNTIES. CROPS IMPROVED DUE TO MOISTURE DURING THE PAST TEN DAYS. LIVESTOCK ALL IN GOOD SHAPE, WITH SUFFICIENT WATER AND FEED ASSURED FOR THE SUMMER AND FALL.

CASCADE: - NO PRECIPITATION. HOT AND DRY WEATHER THROUGHOUT WEEK. DAMAGE FROM GRASSHOPPERS IS NOT AS GREAT AS WAS ANTICIPATED, DUE PRIMARILY TO THE LATE SPRING AND RANK VEGETATIVE GROWTH, WHICH PROVIDED AMPLE FEED IN EARLY HATCHING PERIOD. COMPARATIVELY LARGE ACREAGES OF LATE SEEDING SPRING WHEAT AND POOR WINTER WHEAT ARE BEING PLOWED UNDER OR CUT FOR HAY. WINTER WHEAT ON GOOD FALLOW WILL MAKE A SMALL YIELD, BUT IT IS ESTIMATED THAT THE WHEAT CROP WILL BE ONLY ABOUT 50% OF LAST YEAR. CATTLE AND SHEEP IN EXCELLENT CONDITION IN MOST OF COUNTY. FREQUENT SHOWERS IN THE HIGHWOODS AND SOUTHERN RANGE AREAS HAVE SUSTAINED GRASS GROWTH ON RANGE LANDS. HAYING IN IRRIGATED SECTIONS IS WELL UNDER WAY. BEET THINNING IS COMPLETED AND PROSPECTS FOR A PEA CROP ARE ABOUT 75% THAT OF LAST YEAR. SURPLUS OF LABOR.

CHOUTEAU: - HOT AND DRY THROUGHOUT WEEK WITH EXCEPTION OF TWO SMALL SHOWERS IN SOUTHERN PART OF COUNTY. WINTER WHEAT SPOTTED, VARYING FROM POOR TO GOOD. SPRING WHEAT PROSPECTS VERY POOR. LARGE QUANTITY OF WHEAT BEING CUT FOR HAY ON ACCOUNT OF DROUTH. RANGE CONDITIONS IN GENERAL VERY POOR. WATER HOLES ARE LOW. LIVESTOCK SALES ARE JUST STARTING. MORMON CRICKET CAMPAIGN UNDER WAY IN SOUTHERN PART OF COUNTY. GRASSHOPPER SITUATION SPOTTED.

CUSTER-POWDER RIVER: PRECIPITATION 1.06 INCH AT MILES CITY. SOME SHOWERS IN OTHER PORTIONS OF THE COUNTIES. TEMPERATURE ABOUT NORMAL. HAIL DURING THE WEEK AT MILES CITY, MOON CREEK, HILLCREST AND KNOWLTON, ISMAY TERRITORIES. THE HAIL AT MILES CITY DID SEVERE DAMAGE TO IRRIGATED CROPS FOR ABOUT TEN MILES SOUTH OF MILES CITY. SMALL GRAINS IN NORTHERN CUSTER COUNTY WILL PRODUCE VERY LITTLE. SMALL GRAINS IN POWDER RIVER COUNTY STILL IN FAIR SHAPE, IN SOME SECTIONS GOOD. CORN DOING WELL. HAY CROP WILL BE SHORT. TOO EARLY TO TELL WHETHER ALFALFA WILL MAKE SEED, BUT THE PRODUCTION WILL BE SHORT BECAUSE OF DECREASE IN ACREAGE FROM DROUTH. GRASSHOPPERS APPEARING IN SOME SECTIONS. VERY LITTLE WOOL ACTIVITY. MOST WOOL IN TO SHIPPING POINTS. IN SOME SECTIONS CATTLE STILL SHOW EFFECTS OF KILL OF GRASS. SHOWERS HAVE IMPROVED STOCK WATER SITUATION TO SOME EXTENT.

DANIELS: - AVERAGE ONE INCH PRECIPITATION. FREQUENT RAINS. CROP PROSPECTS FINE. LIVESTOCK IN GOOD SHAPE. FORT PECK TAKING SURPLUS. QUITE A BIT OF SUMMERFALLOWING.

DAWSON: - 2.83 INCHES OF PRECIPITATION IS REPORTED BY THE LOCAL WEATHER STATION SINCE JULY 1ST, AND EVIDENCE POINTS TO LESS HERE THAN OTHER SECTIONS OF THE COUNTY. LATTER PART OF WEEK GENERALLY WARM. ALTHOUGH A TRIFLE SPOTTY, ALL CROPS IN GENERAL THROUGHOUT THE COUNTY ARE IN A FAVORABLE CONDITION; SMALL GRAINS ARE QUITE GENERALLY HEADING WITH FAIR LENGTH OF STRAW AND INDICATIONS AT PRESENT POINT TO FAVORABLE YIELDS. CORN HAS RESPONDED TO WEATHER OF LAST TEN DAYS AND HAS THE MAKING OF A LOT OF FEED. FLAX, OF WHICH THERE IS PROBABLY ABOVE NORMAL ACREAGE, IS IN VARIOUS STAGES, DEPENDING ON TIME OF PLANTING, BUT EARLY FIELDS ARE IN BLOSSOM AND HAVE GOOD CHANCES. GRASS REMAINING GREEN AND HEADING STRONGLY. STOCK IN BEST CONDITION FOR A LONG TIME.

FERGUS: - PRECIPITATION .54 INCH. WEEK OF THE FOURTH PASSED WITH VERY LITTLE PRECIPITATION. MANY FIELDS SUFFERED DURING THAT PERIOD. MOISTURE DURING THIS WEEK OF CONSIDERABLE BENEFIT. HAIL DAMAGE IN SOME SECTIONS FROM NEARLY EVERY STORM. SPRING WHEAT SUFFERING FROM DROUTH MUCH MORE THAN WINTER WHEAT. LIVESTOCK ABOUT SAME. GRASSHOPPERS DOING SOME DAMAGE IN EASTERN SECTION OF COUNTY.

FLATHEAD: - DAYS GETTING WARMER BUT STILL EXPERIENCING SOME COLD NIGHTS. PRECIPITATION .48 INCH SINCE LAST WEEK; GROWING CONDITIONS FAIR. CROP CONDITIONS GOOD. INDICATIONS POINT TOWARD A GOOD PEA CROP. MOST OF THE FIRST ALFALFA CUTTING UP; POTATOES GROWING WELL. SOME SPRING GRAIN HEADING OUT. LIVESTOCK IN GOOD SHAPE. SOME PASTURES HAVE BEEN DRY BUT THE RAINS REVIVED THEM CONSIDERABLY. LABOR SITUATION SATISFACTORY.

COUNTY SUMMARIES OF CROP CONDITIONS - WEEK ENDING JULY 13

GALLATIN: - HOT AND DRY ALL WEEK. MOISTURE CONDITIONS IN SOUTH AND EAST PARTS OF COUNTY STILL SATISFACTORY, BUT GRAIN IN DRY LAND SECTIONS BURNING BADLY. CROPS IN SOUTH AND EAST PORTIONS OF COUNTY STILL IN GOOD CONDITION. IRRIGATION WATER SUPPLY BEGINNING TO BE SHORT, WITH WATER COMMISSIONERS BEING PUT ON. VINING OF CANNING PEAS STARTED. RANGE CONDITIONS AND PASTURES CONTINUE GOOD, EXCEPTING PASTURES IN DRY LAND SECTIONS ARE SHORT. LIVESTOCK IN SATISFACTORY CONDITION. NO DEMAND FOR MEN.

GLACIER: - SHOWERS OF RAIN MONDAY ACCOMPANIED BY LIGHT HAIL IN SCATTERED LOCALITIES. HOT AND DRY MOST OF WEEK. SEVERAL GRAIN CROPS ON POORLY PREPARED LAND HAVE BEEN ABANDONED AND ARE BEING CUT FOR HAY. MOST SUMMERFALLOW STILL HAS A CHANCE TO MAKE A CROP WORTH HARVESTING. CROPS NEAR CANADIAN BORDER MUCH BETTER THAN ALONG THE GREAT NORTHERN RAILROAD. RANGE STILL GOOD IN MOST SECTIONS BUT NOT AS GOOD AS THE PROSPECT LOOKED THIS SPRING. SEVERAL STOCKMEN FROM OUTSIDE MOVING ON TO THE RESERVATION FOR THE SUMMER. LIVESTOCK IN GOOD CONDITION.

GOLDEN VALLEY AND MUSSELSHELL: NUMEROUS HARD ELECTRIC STORMS WITH BOTH RAIN AND HAIL PREVALENT IN BOTH COUNTIES. RAIN OF SMALL BENEFIT TO CROPS AS MOST OF IT RAN OFF INTO CREEKS AND COULEES. HAIL IN SOME LOCALITIES DOING A GREAT DEAL OF DAMAGE. CROP CONDITIONS GOOD IN SOME LOCALITIES; IN OTHERS, CROPS ARE COMPLETELY GONE DUE TO DRY WEATHER, GRASSHOPPERS OR HAIL. HOPPERS ARE NOW BEGINNING TO WORK ON WINTER WHEAT, HAVING EXHAUSTED THE SPRING CROPS AND GARDENS. FIRST CUTTING OF HAY ALL IN STACK. LIVESTOCK CONDITIONS GOOD. RECENT CLOUDBURSTS HAVE FILLED AND CLEANED OUT WATER HOLES, IMPROVING THE WATER SITUATION CONSIDERABLY, AND GRASS IS PLENTIFUL. LABOR SITUATION FAVORABLE.

HILL: - - .28 INCH PRECIPITATION PAST WEEK. SLIGHT PRECIPITATION DURING THE PAST WEEK PROVIDED SUFFICIENT MOISTURE TO CAUSE CROPS TO HOLD ON IN APPROXIMATELY THE SAME CONDITION AS THE PRECEDING WEEK. STILL NEED RAIN. CROPS ON SUMMERFALLOW GROUND HAVE CHANCES OF MAKING FAIR YIELD. RANGES DRYING AND GETTING SHORT IN CERTAIN LOCALITIES. LIVESTOCK CONTINUING IN GOOD CONDITION. A SURPLUS OF LABOR.

JUDITH BASIN: PRECIPITATION THE PAST WEEK WAS NOT UNIFORM IN THE COUNTY, BUT HELPED A FEW SPOTS VERY MUCH. MOSTLY SHOWERS COMING FAST AND RUNNING OFF BADLY. CROPS ARE STILL SUFFERING FROM DROUTH WITH A FEW AREAS IMPROVED OVER LAST WEEK AND SOME AREAS WORSE. HAY CROP RATHER SHORT. HAIL HAS INJURED SEVERAL FIELDS BADLY WITH THE RESULT THAT HEADS OF WINTER WHEAT HAVE TURNED WHITE IN MANY CASES. LIVESTOCK STILL DOING VERY WELL ON THE RANGE, BUT THE RANGES ARE BEGINNING TO TURN BROWN.

LAKE: - - RAIN SATURDAY AND SUNDAY HAS BEEN CONSIDERABLE HELP IN DRYLAND AREAS. THE WEATHER HAS REMAINED COOL AT NIGHTS AND NOT EXTREMELY HOT IN THE DAY TIME. HAYING IS WELL ALONG, MOST OF THE FIRST CROP IS IN THE STACK. PEAS ARE WELL PAST BLOSSOMING, YET, LIKE MOST CROPS, THERE IS STILL A GREAT DIFFERENCE IN TIME OF MATURITY. BEETS MAKING GOOD GROWTH. THE FIRST FALL GRAIN HAS BEEN CUT WITH THE BINDER ALTHOUGH MOST FIELDS ARE NOT SHOWING MUCH "COLOR". POTATOES ARE NORMAL FOR THE SEASON. INSECTS ARE NOT CAUSING ANY MATERIAL DAMAGE. LIVESTOCK ARE IN GOOD SHAPE FOR THIS TIME OF THE YEAR. LABOR PLENTIFUL.

LEWIS & CLARK: CONSIDERABLY WARMER WEATHER THIS WEEK, ESPECIALLY DURING LATTER PART. A FEW SHOWERS THE EARLY PART OF THE WEEK. WARMER WEATHER DURING LAST OF WEEK SHOWED THAT MOISTURE RESERVES ARE VERY LOW. GRAIN CROPS STILL HOLDING ON FROM LIGHT SHOWERS EXCEPT IN LOCALITIES WHERE RAIN DID NOT HIT. FIRST CROP OF HAY DELAYED BECAUSE OF RAINS EARLY IN JULY, BUT MOST OF IT BEING STACKED NOW. IRRIGATION WATER VERY LOW IN SOUTHERN PART OF COUNTY BUT APPARENTLY AMPLE IN NORTHERN PART. RANGES IN SOUTHERN PART OF THE COUNTY ALMOST COMPLETELY DRIED UP. THE NORTHERN PART HAS GOOD GRASS CROP HEADED OUT AND CURING. GRASSHOPPERS DOING CONSIDERABLE DAMAGE TO THE RANGE IN SOME PLACES.

MISSOULA: - HOT AND DRY MOST OF WEEK. HAYING IN FULL SWING, WITH GOOD WEATHER. YIELDS GENERALLY LESS THAN AVERAGE. SUGAR BEETS AND POTATOES MAKING GOOD GROWTH. WINTER WHEAT STARTING TO TURN. YIELDS WILL BE LOW. SPRING GRAIN HAS SHOWN SOME IMPROVEMENT SINCE RECENT RAINS. STRAWBERRY CROP GOING TO MARKET. CHERRIES STARTING TO RIPEN. BLIGHT IS DAMAGING APPLE TREES TO SOME EXTENT. RANGES IN GOOD CONDITION. LIVESTOCK DOING WELL.

PHILLIPS: - HEAVY RAINS REPORTED FROM PRACTICALLY ALL PARTS OF THE COUNTY THIS WEEK. WEATHER COOLER. GROWING CONDITIONS GOOD. RAINS WILL BENEFIT LATE SEEDED CROPS AND GOOD SUMMERFALLOWED LANDS ON WHICH CROPS WERE STILL IN COMPARATIVELY GOOD CONDITION. APPROXIMATELY 75% OF CROPS, HOWEVER, DAMAGED BEYOND RECOVERY EXCEPT FOR FEED. STOCK WATER SITUATION RELIEVED AND GRASS IMPROVED BY HEAVY RAINS. GENERAL ASSURANCE OF FEED. NO DEMAND FOR LABOR.

PARK: - - HOT, DRY WINDS PREVAILED OVER THE COUNTY THIS WEEK. GROWING CONDITIONS POOR WHERE THERE IS NO IRRIGATION. RAIN NEEDED BADLY. DRY LAND CROPS ARE BURNING. GRASSHOPPERS ARE DOING CONSIDERABLE DAMAGE. GRASSHOPPER BAIT IS BEING DISTRIBUTED OVER THE COUNTY, STARTING THIS WEEK. RANGE CONDITIONS ARE EXCELLENT AND LIVESTOCK IS IN VERY GOOD CONDITION.

PONDERA: - WEATHER HOT AND DRY. NO RAINS THIS WEEK; PRACTICALLY ALL RANGE PASTURES BURNING. TOTAL PRECIPITATION FOR JUNE ONLY .49 INCH. WHEAT ON DRY LAND SUFFERING, ESPECIALLY LATTER PART OF THIS WEEK. SOME IS IN THE BLOOM; SOME STILL IN THE BOOT. MOISTURE RESERVES WILL SOON BE OUT OF REACH OF THE ROOT SYSTEMS EVEN THOUGH WELL ROOTED, AND WE SHOULD HAVE A GOOD GENERAL RAIN. MUSTARD IN BLOSSOM AND DROPPING PETALS; BEGINNING TO POD OUT. ALL FEEDER CANALS, INCLUDING MAIN CANALS RUNNING TO FULL CAPACITY IN THE PAST TWO WEEKS. PEA CROPS HAVE A GOOD CHANCE OF MAKING A GOOD CROP. SOME YEARLING STEERS AND TWO-YEAR OLDS GOING TO MARKET, WITH CONCENTRATION POINTS AT CONRAD. LABOR PLENTIFUL.

PRAIRIE: - SHOWERS 7TH, 8TH AND 10TH. CLOUDBURST AND HAIL ON EVENING OF 9TH-- OVER THREE INCHES OF PRECIPITATION, WHICH FLOODED TERRY AND MANY FARM BUILDINGS. CROP CONDITIONS LOOK BAD AFTER THE HAIL, AND WITH THE FIELDS WASHED AND GULLIED, BUT WITH THE MOISTURE THAT FELL WE SHOULD BE ABLE TO GET SOME FEED, AT LEAST, FROM THE LATER CROPS. EARLY CROPS ARE GONE. GRASSHOPPERS ARE INCREASING IN NUMBERS. RANGES HAVE AGAIN TURNED GREEN, THOUGH THE STAND OF GRASS IS ALARMINGLY THIN. LIVESTOCK IS IN GOOD CONDITION. SUPPLY OF LABOR IS AMPLE.

(CONTINUED ON PAGE 3.)

COUNTY SUMMARIES OF CROP CONDITIONS - WEEK ENDING JULY 13.

ROOSEVELT: - RAINS OVER THE ENTIRE COUNTY RANGING FROM ONE INCH TO THREE INCHES HAVE IMPROVED CROP PROSPECTS. SOME GRAIN HAD BEEN BADLY DAMAGED BY DROUTH BEFORE JULY 1ST AND IS GREATLY BENEFITTED BY RECENT RAINS. CROP CONDITIONS IN GENERAL VERY GOOD. ALL LATE WHEAT, OATS AND FLAX EXCELLENT. CORN MAKING GOOD PROGRESS. MANY FARMERS SUMMERFALLOWING AND REPORT THAT CONDITIONS ARE IDEAL FOR PLOWING. RANGE AND PASTURE CONDITIONS GOOD.

ROSEBUD: - SCATTERED SHOWERS OVER COUNTY. SEVERAL RAINS IN NORTH PART OF COUNTY. WEATHER HOT. WINTER WHEAT TURNING; WILL BE READY FOR COMBINE IN WEEK OR TEN DAYS. LATE SPRING GRAIN HAS MADE SOME RECOVERY. ALL IRRIGATED CROPS GOOD. CORN MAKING GOOD GROWTH. GRASSHOPPERS AND MORMON CRICKETS BOTH DOING DAMAGE. CONTROL WORK IN FULL SWING. LIVESTOCK EXCELLENT. RANGE-GOOD.

SANDERS: - PRECIPITATION 1.25; TEMPERATURE, AVERAGE MAXIMUM 79, AVERAGE MINIMUM 45 DEGREES. GROWING CONDITIONS VERY GOOD FROM HIGHER TEMPERATURES AND FAIR MOISTURE SUPPLY FROM RECENT RAINS. CONSIDERABLE IMPROVEMENTS IN CROP CONDITIONS DUE TO RECENT RAINS. PRESENT SOIL MOISTURE SUFFICIENT FOR FILLING OF WINTER WHEAT, WHICH IS RIPENING FAST. SECOND CUTTING HAY MAKING GOOD GROWTH. SPRING GRAIN FAIR CONDITION. SEED PEAS IN FINE CONDITION AND MAKING RAPID GROWTH. LIVESTOCK IN VERY GOOD CONDITION. SOME GRASS FAT CATTLE GOING TO SPOKANE MARKET BY TRUCK. SURPLUS OF LABOR.

SHERIDAN: - RAIN 2.27 INCHES AT PLENTYWOOD; QUITE GENERAL THROUGHOUT COUNTY. CROP CONDITIONS EXCELLENT. RECENT RAINS WERE TIMELY BUT SOME LATE SEEDING CROPS WERE HEADED RATHER SHORT WHICH MAY REDUCE YIELD. NO RUST REPORTED AS YET. SOME GRASSHOPPER HATCHINGS. ALSO ARMY WORMS BUT NOT SERIOUS AS YET. LIVESTOCK GOOD. LABOR SITUATION FAIR.

STILLWATER: NO PRECIPITATION DURING THE WEEK, WITH SEVERAL HOT DAYS. WINTER WHEAT STILL IN GOOD CONDITION. SOME SPRING WHEAT AND OATS BURNING IN CERTAIN SECTIONS. GRASSHOPPERS HAVE HATCHED OUT IN LARGE NUMBERS IN PRACTICALLY ALL PARTS OF THE COUNTY AND WILL DO CONSIDERABLE DAMAGE TO SPRING GRAINS. GRASSHOPPER POISON GOING OUT VERY FAST. LIVESTOCK IN GOOD CONDITION. SHEARING PRACTICALLY COMPLETED. GREATER PART OF WOOL HASN'T BEEN SOLD. GRASS ON RANGES STARTING TO CURE. SOME SURPLUS OF LABOR.

SWEET GRASS: NO PRECIPITATION. GENERAL GROWING CONDITIONS GOOD. CROP CONDITIONS GENERALLY GOOD THROUGH THE COUNTY. GRAIN CROPS VERY DRY IN PARTS OF COUNTY. IN OTHER PARTS, PROSPECTS ARE VERY GOOD FOR GOOD CROPS. HAYING STARTED DURING WEEK IN MOST SECTIONS. LIVESTOCK IN GOOD CONDITION. LABOR SITUATION ABOUT NORMAL IN THIS COUNTY. UNEMPLOYED ONLY IN TRANSIENT LABOR. GRASSHOPPER SITUATION SERIOUS.

TETON: - HIGH TEMPERATURE FOR WEEK. EXTREMELY DRY. A FEW SCATTERED LIGHT THUNDER SHOWERS AND SOME HAIL DAMAGE BUT VERY LITTLE PRECIPITATION. CONTINUED DROUTH IS CUTTING IN ON THE CROP YIELDS EVERY DAY AND UNLESS WE GET MOISTURE VERY SHORTLY THERE WILL NOT BE A VERY GOOD CROP IN THE COUNTY. HAYING IN FULL SWING. IRRIGATED ALFALFA YIELDS NORMAL. PEA CROP SOMEWHAT LATE BUT LOOKING PRETTY FAIR. RANGE IN BAD SHAPE--VERY DRY. LIVESTOCK NOT STARTED TO MOVE TO MARKET. MOST OF WOOL HAS BEEN SHIPPED. LABOR SITUATION NORMAL.

TOOLE: - NO PRECIPITATION, ALTHOUGH EARLY PART OF WEEK WAS CLOUDY MOST OF THE TIME. VERY HOT AND DRY LATTER PART OF WEEK, MAKING GROWING CONDITIONS VERY POOR. CROPS ARE SCORCHING, ESPECIALLY THOSE SEEDING EARLIER. THOSE PLANTED LATE ARE STILL LOOKING QUITE GOOD AND RAIN WOULD BE OF HELP. IF MOISTURE IS NOT RECEIVED VERY SOON, VERY LITTLE, IF ANY, WILL BE HARVESTED. LIVESTOCK IN POOR CONDITION DUE TO SHORT RANGE. STOCKMEN ARE CONTINUING TO MOVE STOCK TO OTHER RANGE. LABOR PLentiful.

VALLEY: - WEEK HAS BEEN CHARACTERIZED BY HOT WEATHER AND FREQUENT SHOWERS, SOME OF CLOUDBURST PROPORTIONS. GENERAL GROWING CONDITIONS GOOD. DRY LAND CROPS ARE IMPROVED BY RECENT RAINS. CROPS, HOWEVER, ARE SPOTTED, RANGING FROM VERY GOOD TO FAILURE, DUE TO LOCAL WEATHER CONDITIONS. IN GENERAL, CROPS IN THE EASTERN AND NORTHERN PART OF THE COUNTY ARE GOOD, OTHER SECTIONS ONLY FAIR TO POOR. IRRIGATED CROPS ARE GOING WELL, WITH HAYING IN FULL SWING. THE RANGE IS ABOVE AVERAGE, WITH LIVESTOCK IN GOOD CONDITION. NO LABOR NEEDED. GRASSHOPPERS REPORTED IN DAMAGING NUMBERS IN A FEW RESTRICTED AREAS.

WHEATLAND: - CONSIDERABLE RAIN FELL DURING EARLY PART OF WEEK GENERALLY OVER THE COUNTY. HEAVY HAIL IN CENTRAL PART OF COUNTY FIRST OF WEEK, RUINING GARDENS IN ITS PATH. CROPS IN THE COUNTY ARE LOOKING BETTER AFTER THE RAIN THIS WEEK. FROM REPORTS, LITTLE OR NO DAMAGE WAS DONE TO CROPS BY THE HAIL STORM THIS WEEK. GRASSHOPPER SITUATION BAD IN THIS COUNTY, ALTHOUGH THEY HAVE NOT AS YET DONE MUCH DAMAGE TO CROPS.

WIBAUX: - - WARM WEATHER DURING THE WEEK WITH HEAVY RAINS, AND PROBABLY THE WORST HAIL LOSSES IN THE HISTORY OF THE COUNTY JULY 9 AND 10. PRECIPITATION AT WIBAUX 4.04 INCHES FOR THE WEEK. PART OF TOWN OF WIBAUX FLOODED 9TH AND 10TH. ENTIRE COUNTY RECEIVED SUFFICIENT MOISTURE SO CROP OUTLOOK IS GOOD EXCEPT FOR HAIL DISTRICT WHICH IS VERY LARGE.

YELLOWSTONE: CLEAR AND HOT; SCATTERED SHOWERS WEDNESDAY EVENING. IN NON-IRRIGATED DISTRICTS WINTER WHEAT STARTING TO RIPEN. YIELDS WILL BE SOMEWHAT LOWER THAN FIRST ESTIMATED, DUE TO HOT WEATHER AND GRASSHOPPER DAMAGE. IN IRRIGATED COMMUNITIES, FARMERS BUSY IRRIGATING ALFALFA AND OTHER CROPS. CONSIDERABLE DAMAGE BY HAIL AND WIND STORM ON HUNTLEY PROJECT. LIVESTOCK IN GOOD CONDITION. CONDITION OF RANGE FAIR. MOST SERIOUS DAMAGE BY HOPPERS IS ON SECOND CROP OF ALFALFA WHICH IN MANY CASES HAS SHOWN NO GROWTH SINCE FIRST CROP WAS TAKEN. MINOR DAMAGE HAS ALSO BEEN DONE TO BEANS, BEETS, GRAIN AND GARDEN CROPS.

UNITED STATES DEPARTMENT OF AGRICULTURE
Weather Bureau — Bureau of Agricultural Economics

REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA
Week Ending Tuesday, July 23, 1935.

*Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.
Offices: Fourth Floor, Federal Office Building, Helena, Montana.*

The week was warm and averaged from 4° to 6° above the normal temperature. Maxima temperatures were in the 90's at most stations but did not reach, as a rule, the high points reported for the preceding week. It was the second consecutive week of extremely dry weather for the west. Showers occurred on a frequency of 3 to 5 days in various sections east of the Divide, but were too scattered to do general good. A few were torrential downpours that damaged crops by washing and flooding and weakened or destroyed highways and bridges. Several were accompanied by severely damaging hail. Greatest benefit from the week's rains went to the northeast and next best to some central and southeastern sections.

Haying was favored by dry weather in the west and plowing and cultivation by showers in the east. Haying was in full swing in the extreme southwest with the largest crop in several years in prospect; in most northern and central districts a lighter than normal crop has been put up. Feed is expected to be short again this year in some central sections. Harvesting of winter wheat started with earliest yields reported below normal. Harvest is at least 10 days later than last year. First harvesting has been done with binders; combines will start next week. Rye was harvested in the northeast. Some farmers were busy in marketing grass-fattened cattle.

Grain crops made poor to very good progress during the past week depending largely upon the amount of soil moisture available and the occurrence of showers. Continued heat forced winter grain to ripen rapidly and spring grains to head short. Lack of moisture was unfavorable for filling of winter wheat. The heat severely damaged spring grains on dry lands and further reduced the prospect of yields. Some grain was burned to the point of total loss. In Chouteau County reports indicated that two-thirds of the spring wheat crop would not be harvested for grain, and the remaining third would require rain to make a yield. Poorly tilled and seeded grains on dry lands have been hurt most in the north and central drought areas. Grain in the south-central part of the State will suffer severe damage unless good rains occur within a week. Winter wheat in Musselshell and Golden Valley Counties was reported 50 per cent damaged by grasshoppers. Considerable grain has been cut for hay because of drought. Crops in the northeast and northwest are generally in good condition and made fine progress. Irrigated crops are doing fine, although further curtailment of later water rights was reported.

Sugar beets made good growth in depth and circumference; measurement of acreage started in the west. Flax is tall in the northeast and generally good. Peas are a normal crop. They are ripening in the west, and are being vined in the Gallatin. Potatoes and gardens are reported mostly good. Corn flourished in the east-central, and showed some effects of dry weather in the southeast; early corn is tasseling. The second growth of alfalfa has been coming along well except where drought and grasshoppers have interfered.

On lower ranges grass is dry and brittle; on the higher ranges it is still growing and providing good feed for livestock. Most varieties of grass have matured and seeded heavily. Range conditions were reported improved in Phillips and Blaine Counties. Livestock continue doing well generally. A few in Carbon County are reported falling off. A shortage of feed and water has necessitated some movement of cattle in Toole County, and similar conditions in southern Lewis and Clark County will likely result in the same action there soon. Waterholes are holding up well in the east, but are falling in the west.

Forests have become very dry, and lightning has started several fires.

WEEKLY TEMPERATURE AND PRECIPITATION DATA

Station	Highest temperature	Lowest temperature	Total Precipitation
Billings	96	57	0.32
Bozeman	86	49	0.50
Cut Bank	87	50	0.29
Glasgow	97	53	0.70
Glendive	100	59	0.68
Great Falls	93	54	0.09
Havre	92	58	0.60
HELENA	90	51	0.09
Kalispell	90	50	0.01
Lewistown	86	48	0.80
Miles City	100	60	0.39
Missoula	96	50	0.01

*W. E. Maughan, Weather Bureau.
J. G. Diamond, Division of Crop and Livestock Estimates.*

*July 24, 1935.
Helena, Montana.*

GALLATIN: - GENERALLY WARM. LOCAL SHOWERS VARYING IN AMOUNTS AND CENTERING AROUND BOZEMAN. WHEAT HARVEST STARTED. PEA VINING IN FULL SWING. FIRST CUTTING ALFALFA STACKED AND TIMOTHY CUTTING STARTED. BOTH SPRING AND WINTER WHEAT SHOWING DROUGHT DAMAGE IN WEST AND NORTH SECTIONS OF COUNTY. RANGE IN THESE TWO SECTIONS ALSO SHOWING DRY. IRRIGATION WATER NOW TURNED OFF ON LATER RIGHTS. EARLY LAMB SHIPMENTS ABOUT COMPLETE. IRRIGATED PASTURES GENERALLY IN FAIR SHAPE.

GLACIER: - MOSTLY HOT AND DRY. SOME GOOD SHOWERS NORTH SECTION ALONG CANADIAN BORDER. COOL SATURDAY. DRY WEATHER IS SHOWING UP THE ABILITY OF FARMERS AND SOIL TYPES. CROPS ON NO. 1 SOIL WHICH WERE SEEDED ON GOOD SUMMER-FALLOW ARE STANDING UP REMARKABLY WELL CONSIDERING SMALL AMOUNT OF PRECIPITATION RECEIVED. CROPS SHOT-GUNNED IN ON NO. 4 SOIL ARE A TOTAL LOSS. MORE WEEDS THIS YEAR THAN USUAL. NATIVE HAY HARVEST STARTED BUT YIELDS LIGHT. GRASS NOT TOO HEAVILY GRAZED IN PAST YEARS IS STILL FURNISHING AMPLE FEED. OVER GRAZED AREAS SHORT ON FEED. LIVESTOCK GENERALLY IN EXCELLENT CONDITION.

GOLDEN VALLEY - MUSSELSHELL: HAVE EXPERIENCED SOME VERY HARD ELECTRIC STORMS, RAIN, HAIL AND DUST. HAIL TAKING SOME CROPS COMPLETELY. RAINS NOT GENERAL, JUST HARD LOCAL SHOWERS. CROP CONDITIONS QUITE SERIOUS, WITH GRASSHOPPERS MOVING IN ON WINTER WHEAT AND CUTTING HEADS OFF, IN OTHER LOCALITIES HAIL HAS TAKEN A HEAVY TOLL. WINTER WHEAT FARMERS REPORT ABOUT 50% LOSS FROM GRASSHOPPERS AT PRESENT TIME. LARGE PERCENTAGE OF GRAIN BEING CUT BEFORE READY TO HARVEST TO SAVE SOME FEED. LIVESTOCK CONDITIONS VERY GOOD, PLENTY OF GRASS AND WATER HOLES WELL FILLED. LABOR SITUATION SATISFACTORY.

HILL: - .34 INCHES PRECIPITATION FOR THE PAST WEEK. RAINS HAVE FALLEN IN VARIOUS SECTIONS THROUGHOUT THE COUNTY, AND ACCOMPANIED IN MANY CASES BY SEVERE HAIL STORMS. BENEFITS TO CROP WHERE RAIN HAS FALLEN PROBABLY OFF SET BY LOSSES THROUGH HAIL. SECTIONS THROUGHOUT THE COUNTY NOT FAVORED BY RAIN, CROP HAS GONE BACKWARD. GREEN BUGS ARE DEVELOPING IN GREAT NUMBERS AND DOING LOTS OF DAMAGE. RANGES ARE ABOUT THE SAME. LIVESTOCK ARE IN GOOD CONDITION. SURPLUS OF LABOR.

JUDITH BASIN: - SHOWERS WEDNESDAY MORNING RANGING FROM 0 TO OVER $\frac{1}{2}$ INCH IN VARIOUS PARTS OF COUNTY. FIRST PART OF WEEK VERY HOT AND DRY. CROPS SUFFERED BADLY. FIRST CUTTING OF HAY (ALFALFA AND SWEET CLOVER) MOSTLY UP. MANY FARMERS BEGINNING TO CUT GRAIN FOR HAY IN CASES WHERE DROUGHT, HAIL AND OTHER FACTORS HAVE MADE IT UNPROFITABLE TO THRESH. WHEAT IN COUNTY VERY UNIFORM. LIVESTOCK STILL ON RANGE AND DOING WELL. MEN HAVE NOT STARTED TO MARKET YET.

LAKE: - NO RAIN FELL THIS WEEK AND THE TEMPERATURE WAS MUCH HIGHER THAN USUAL CAUSING CROPS TO MATURE RAPIDLY. WINTER WHEAT IS BEING HARVESTED AND A LARGE PORTION OF THE CROP IS WELL COLORED SO THAT IT WILL BE HARVESTED SOON. SPRING WHEAT IS NOT DOING WELL BECAUSE OF A SHORTAGE OF MOISTURE AND BOTH TYPES ARE NOT EXPECTED TO MAKE MORE THAN A 50% YIELD. PEAS APPEAR TO BE SOMEWHAT CLOSE TO NORMAL. BEETS CONTINUE TO DO WELL. MEASURING OF THE CROP STARTED THIS WEEK. PASTURES AND LIVESTOCK ARE IN GOOD SHAPE. LABOR PLENTIFUL. INSECTS UNDER CONTROL.

LEWIS & CLARK: WEATHER WAS VERY HOT WITH A MAXIMUM TEMPERATURE OF 97 DEGREES DURING WEEK. FRIDAY NIGHT BROUGHT A LIGHT THUNDER SHOWER WHICH COOLED THE AIR. CROPS ADVANCED RAPIDLY DURING THE WEEK WHERE THERE WAS SUFFICIENT MOISTURE AND BURNED BADLY WHERE THE MOISTURE WAS SHORT. WINTER WHEAT IS FILLING AND SOME CUTTING WILL BE STARTED ABOUT AUGUST 1. FOR THE ENTIRE COUNTY PROSPECTS INDICATE A GRAIN CROP ABOUT THE SAME AS LAST YEAR WHICH WAS A VERY SHORT CROP. IRRIGATION WATER FOR THE SOUTHERN PART OF COUNTY IS VERY SHORT, ONLY THE OLDEST WATER RIGHTS HAVING ANY WATER NOW. RANGES DRYING UP RAPIDLY. SOUTHERN PART VERY SHORT OF GRASS AND SOME LIVESTOCK WILL HAVE TO BE SOLD OR MOVED. NORTHERN PART HAD A GOOD GRASS CROP BEFORE THE EXTREME DRY WEATHER SET IN AND WILL HAVE SUFFICIENT AMOUNT OF FEED TO CARRY THE LIVESTOCK. CATTLE AND SHEEP ARE MOSTLY ON THE HIGHER RANGES AND ARE IN GOOD CONDITION. GRASSHOPPERS VERY NUMEROUS IN SOME LOCALITIES.

MISSOULA: HOT AND DRY ALL WEEK. FEW SPOTTED SHOWERS. ALL CROPS MAKING SATISFACTORY GROWTH. HAYING IN FULL PROGRESS. GRAIN BEGINNING TO RIPEN. SOUR CHERRIES READY FOR MARKET. RANGES AND STOCK IN GOOD CONDITION. MEASURING OF SUGAR BEETS ACREAGE STARTED THIS WEEK.

PARK: - HOT WEATHER PREVAILED DURING THE WEEK. A FEW SMALL SHOWERS IN SOME PARTS HAVE AIDED THE CROPS BUT IN GENERAL DROUGHT HAS SEVERELY REDUCED YIELDS. THE FIRST CUTTING OF ALFALFA HAY IS HALF IN THE STACK. YIELDS ARE SLIGHTLY ABOVE AVERAGE. GRAIN CROPS UNDER DRY LAND CONDITIONS ARE BURNING BADLY AT THE PRESENT WHILE IRRIGATED GRAIN IS LOOKING NORMAL. SOME GRASSHOPPERS AND SOME DAMAGE FROM MORMON CRICKETS. RANGE CONDITIONS PREVAIL AT NORMAL. SUFFICIENT LABOR IS AVAILABLE IN COUNTY FOR THE HARVEST.

PHILLIPS: GENERALLY DRY. HEAVY LOCAL SHOWERS IN NORTH. CONTINUED HOT WEATHER. CROPS DOING FAIRLY WELL IN AREAS WHERE IT HAS RAINED RECENTLY. DAMAGED CROPS WILL STILL MAKE FEED. SUGAR BEETS AND OTHER IRRIGATED CROPS GOOD. SOME HAIL DAMAGE REPORTED UP NORTH. GRASSHOPPER DAMAGE IN SPOTS. RANGE HAS IMPROVED A LITTLE IN THE LAST TWO WEEKS. WATER SUPPLY STILL ADEQUATE IN MOST AREAS. CONDITION FAIR TO GOOD. NO DEMAND FOR LABOR.

PONDERA: WEATHER CONTINUED HOT AND DRY WITH PRACTICALLY NO WIND THROUGHOUT WEEK. STUBBLED IN WHEAT AND POORLY FARMED WHEAT IS HEADED OUT SHORT AND APPARENTLY FILLING TO SOME EXTENT. THIS CROP WILL BE SHORT. GOOD SUMMERFALLOW STOOD THE HOT WEATHER SUCCESSFULLY UP UNTIL THE LAST THREE DAYS. IT IS ESTIMATED THAT MOST OF THE GOOD SUMMERFALLOW WILL MAKE 12 TO 13 BUSHEL PER ACRE WITHOUT ADDITIONAL RAIN AND WITH RAIN WILL INCREASE THE YIELD FROM 8 TO 9 BUSHEL. FEED CROPS ARE HEADED OUT AS A GENERAL RULE AND NEED RAIN TO MAKE A GOOD FILL AND GOOD TONNAGE. ALFALFA ON OLD STANDS HAS BEEN THE BEST HAY CROP FOR SOME TIME AND IN SOME PLACES REACHED A HIGH MARK OF TWO AND ONE-HALF TONS PER ACRE AND GRADUATING DOWN TO AS LOW AS A TON, EXCLUDING OLD THIN STANDS. IN MANY INSTANCES THE SECOND CUTTING IS COMING ALONG IN SPLENDID SHAPE DUE TO GOOD IRRIGATION AND WARM GROWING WEATHER. SUGAR BEETS HAVE MADE RAPID GAINS IN GROWTH NOT ONLY IN DEPTH BUT IN CIRCUMFERENCE. CONTRACTED PEAS ON THE WHOLE ARE GENERALLY FAIR TO

THE FOLLOWING COUNTY SUMMARIES OF CROP CONDITIONS FOR WEEK ENDING JULY 20, 1935
ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE
EXTENSION SERVICE.

BEAVERHEAD: EXTREMELY HOT WEATHER; HUMIDITY LOW; BADLY IN NEED OF RAIN. HAYING IN FULL SWING, WITH LARGEST CROP IN SEVERAL YEARS IN PROSPECT. PEAS, GRAINS, POTATOES AND OTHER CROPS IN GOOD CONDITION BUT NEEDING MOISTURE. IRRIGATION WATER IS BEING SUPPLIED FROM LIMA RESERVOIR. LIVESTOCK ON SUMMER RANGE; RANGE GOOD. MANY MEN HAVE BEEN TAKEN FROM DILLON TO FAY FIELDS DURING THE PAST WEEK. EFFORTS RENEWED IN THE CONTROL OF GRASSHOPPERS IN SEVERAL SECTIONS.

BIG HORN: - A WARM DRY WEEK CLOSED WITH A LIGHT RAIN FRIDAY. GRAINS HAVE RIPENED RAPIDLY AND HARVEST WILL BE ON IN A FEW DAYS. VALLEY CROPS IN GOOD SHAPE. RANGE GOOD, CATTLE GAINING. LABOR AMPLE.

BLAINE: - WEATHER EXTREMELY HOT AND SCATTERED LOCAL SHOWERS DURING PAST WEEK. NOT SUFFICIENT PRECIPITATION TO BE OF MUCH BENEFIT. CROPS ON DRY LAND ARE VERY SPOTTED THROUGHOUT THE COUNTY. MANY FIELDS HAVE BEEN DAMAGED BY HEAT UNTIL THEY ARE A TOTAL LOSS. SUMMERFALLOW FIELDS IN MOST SECTIONS HAVE A FAIR CROP AT PRESENT, BUT NEED ADDITIONAL RAIN TO ASSURE MATURITY. IRRIGATED CROPS IN VALLEY ARE IN GOOD SHAPE. FIRST CUTTING OF ALFALFA ABOUT COMPLETED WITH NORMAL YIELDS. LIVESTOCK IN GOOD CONDITION. RANGE CONSIDERABLY IMPROVED DUE TO SHOWERS OF LAST WEEK. LABOR SITUATION NORMAL.

CARBON: - RED LODGE WEATHER REPORT FOR WEEK: MAX. TEMPERATURE 83 DEGREES, MIN. TEMP. 51 DEGREES. PRECIPITATION .46 IN. WEATHER VERY HOT IN JULIET AND CLARKS FORK VALLEY WITH A FEW FAIR SHOWERS IN THE JULIET VICINITY. DROUTH CONTINUES IN THE DRY LAND AREAS AND A GOOD DEAL OF THE WHEAT CROPS ARE BURNED UP, IN SOME SECTIONS. IRRIGATED CROPS LOOKING FINE, BUT THERE IS FEAR OF SHORTAGE OF WATER IN LOWER ROCK CREEK. GRASSHOPPERS ARE ATTACKING CROPS IN FULL FORCE AND SEEM TO BE GETTING WORSE IN MOST PARTS OF THE COUNTY. LIVESTOCK STILL LOOK FAT AND IN FAIRLY GOOD CONDITION IN MOST PARTS OF THE COUNTY, THOUGH IN SOME OF THE DRY AREAS, THEY ARE REPORTED TO BE GOING DOWN SOME.

CARTER-FALLON: - PRECIPITATION NONE. WEATHER EXTREMELY HOT AND DRY. GROWING CONDITIONS ADVERSE DUE TO EXTREME HEAT. HEAVY SHOWER WITH SOME HAIL IN CABIN CREEK COUNTRY ON JULY 18TH. MUCH OF LATE SEEDED SPRING WHEAT BURNED BADLY. QUITE A BIT OF WHEAT BEING CUT FOR HAY DUE TO DRY CONDITIONS. ALL WHEAT DAMAGED TO SOME EXTENT BY DROUTH. CORN DOING WELL AND SOME FEED CROPS STILL DOING WELL. LIVESTOCK IN GOOD CONDITION. SUFFICIENT WATER AND RANGE. RANGE TURNING BROWN BUT SEED HAS MADE AND A GOOD SEEDING OF RANGE IS EXPECTED.

CASCADE: - HOT, DRY WEATHER CONDITIONS CONTINUE TO REDUCE THE PROSPECTS OF EVEN AVERAGE WHEAT YIELDS IN THE DRYLAND FARM SECTIONS. CROPS IN THE IRRIGATED DISTRICT APPEAR BETTER THAN AVERAGE. FIRST CUTTING OF ALFALFA IS PRACTICALLY ALL IN STACK WITH BETTER THAN AVERAGE YIELDS REPORTED. SUGAR BEETS, SEED PEAS AND POTATOES APPEAR TO BE IN EXCELLENT CONDITION AND WILL UNDOUBTEDLY PRODUCE BETTER THAN AVERAGE YIELDS. PASTURES AND RANGES ARE DRYING UP VERY RAPIDLY AND THE DAMAGE FROM GRASSHOPPERS AND CRICKETS IS COMMENCING TO BE RATHER SERIOUS IN MANY SECTIONS OF THE COUNTY. LIVESTOCK IN FAIR CONDITION WITH SEVERAL RANCHERS MAKING PLANS TO SHIP THEIR SURPLUS CATTLE TO MARKET IN THE VERY NEAR FUTURE. FEED SUPPLIES IN THE DRYLAND SECTIONS OF THE COUNTY WILL BE SHORT AGAIN THIS YEAR. SURPLUS OF LABOR.

CHOUTEAU: - HOT DRY WEATHER PREVAILED THROUGHOUT WEEK WITH ONE OR TWO SMALL SCATTERED SHOWERS. THREE FARMS IN SQUARE BUTTE AREA HAILED OUT. WINTER WHEAT HARVEST NOW STARTING WITH YIELDS RANGING FROM 5 TO 30 BUSHELS WITH AVERAGE OF BELOW NORMAL. TWO-THIRDS OF SPRING WHEAT CROP WILL NOT BE HARVESTED FOR GRAIN. MOISTURE IS NECESSARY IF THE OTHER THIRD IS TO MAKE A YIELD. CORN IS VERY LATE. ABOUT ONE-THIRD OF CORN SEED NEVER GERMINATED. LIVESTOCK SHIPPING INCREASING RAPIDLY. PASTURE IS DRY AND BRITTLE. SMALL AMOUNT OF GREEN BUG DAMAGE REPORTED WHERE TRASH WAS NOT BURNED THE PAST YEAR.

CUSTER-POWDER RIVER: PRECIPITATION .01 OF AN INCH. SEVERAL DAYS OF HOT DRY WINDS. GROWING CONDITIONS POOR. POSSIBILITY OF MAKING ANY SMALL GRAIN CROPS DECREASES EACH DAY. HOWEVER, THERE IS SOME POSSIBILITY OF GRAIN MAKING IN SOME PARTS OF POWDER RIVER COUNTY. SOME CORN DOING WELL, BUT MUCH OF IT SHOWING EFFECTS OF DRY WEATHER. STOCK WATER CONDITIONS STILL GOOD IN MOST TERRITORIES. CATTLE AND SHEEP GAINING. GRASS BEGINNING TO CURE IN MOST PLACES AND IN SOUTHERN CUSTER AND PARTS OF POWDER RIVER COUNTY GRASSHOPPERS ARE BEGINNING TO DAMAGE THE RANGE TO A CONSIDERABLE EXTENT. NO LAMB CONTRACTING DONE YET. VERY LITTLE WOOL SOLD.

DANIELS: - GENERALLY WARM. COUPLE OF HOT DAYS WITH LIGHT TO HEAVY SHOWERS. GENERALLY FAIR, PARTICULARLY IN NORTHERN AND EASTERN PART OF COUNTY. GRASSHOPPERS APPEARING SOME. NO MATERIAL CHANGE IN LIVESTOCK - PRETTY FAIR CONDITION. NO LABOR NEEDED. NUMBER OF SUMMERFALLOW LOANS BEING MADE.

DAWSON: - SEASONALLY HOT THROUGHOUT WEEK, WITH ONLY VERY SCATTERED SHOWERS OVER AREA. GRAINS GENERALLY HOLDING UP QUITE WELL, PARTICULARLY ON HIGHER BENCHES, AND WEATHER EFFECTS COMPARATIVELY LIGHT. CORN IS RESPONDING TO HOTTER TEMPERATURES AND GROWING RAPIDLY. SOME OF THE EARLIER FIELDS TASSELING. RANGES HOLDING THEIR OWN, WITH EARLIER TYPES OF GRASSES CURING. NEARLY ALL SPECIES ARE SEEDING HEAVILY.

FERGUS: - PRECIPITATION .27. SPRING WHEAT MOST INSTANCES HEADED OUT SHORT. PROSPECTS FOR COMPARATIVELY LOW YIELD. SOME OF IT BEING CUT FOR HAY, DUE TO HOT DRY WEATHER AND HAIL. WINTER WHEAT BELOW NORMAL BECAUSE OF UNFAVORABLE GROWING WEATHER AND HAIL IN SPOTS. HAY CROP SHORT. MOST OF FIRST CROP HAS BEEN PUT UP. RANGE IN ALL SECTIONS DRY BUT MOST GRASS HAS HEADED OUT AND WILL PRODUCE SEED. WATER HOLES ARE LOW. CATTLE AND SHEEP OVER THE COUNTY DOING WELL. STILL MAKING GOOD GAINS.

FLATHEAD: - GENERAL GROWING CONDITIONS EXCELLENT. WEATHER GETTING RATHER HOT AND DRY. RAIN NEEDED. SOME WINTER WHEAT BEGINNING TO TURN; PEAS RIPENING FIRST CUTTING ALFALFA ALMOST ALL STACKED UP IN THE BARN; POTATOES GROWING WELL; PASTURES BEGINNING TO GET DRY. LIVESTOCK IN GOOD SHAPE; RANGES HOLDING UP WELL. LABOR ADEQUATE.

PONDERA -- CONTINUED. GOOD EXCEPT WHERE EXCESSIVE WEEDS OCCUR AND THERE THE CROP WILL BE MATERIALLY REDUCED. MUSTARD ON THE WHOLE HAS THE APPEARANCE OF MAKING A SPLENDID CROP ALTHOUGH PRECIPITATION HAS BEEN VERY LIGHT. HIGH MOISTURE RESERVES HAVE BEEN THE RESPONSIBLE FACTOR IN CARRYING ALL TYPES OF CROPS THROUGH TO THE PRESENT DATE. WITH RAIN A GOOD GENERAL CROP CONDITION WILL BE REALIZED AND WITHOUT RAIN ONLY SUMMERFALLOW AND WELL TILLED SOIL CAN EXPECT TO COME THROUGH. ALL RANGE PASTURES ARE COMPLETELY DRIED UP. PERMANENT PASTURES ON IRRIGATED LAND IN GOOD CONDITION AND SHOW GOOD DEVELOPMENT ESPECIALLY FROM YOUNG SEEDINGS. LABOR BALANCED. MORMON CRICKETS DOING CONSIDERABLE DAMAGE IN THE NORTH PART OF COUNTY AND A GREAT PRODUCTION OF EGGS A YEAR AGO HATCHED OUT TO THE EXTENT OF APPROXIMATELY 100%. SOME GRASSHOPPER DAMAGE IS REPORTED IN ISOLATED AREA.

PRAIRIE: NO PRECIPITATION. HOT WEATHER HAS DEPLETED SOIL MOISTURE AND CROPS ARE SUFFERING. EARLY CROPS GONE, LATER CROPS INDICATE YIELDS WILL BE LOW. CORN IS RESPONDING TO THE EFFECTS OF THE HOT WEATHER AND LOOKS GOOD. GRASSHOPPERS ARE INCREASING IN NUMBERS. LIVESTOCK IS IN GOOD CONDITION. RANGES WILL DO SOME RESEEDING THIS YEAR. LABOR SUPPLY IS AMPLE.

RICHLAND: SLIGHT PRECIPITATION WITH HEAVY WIND STORMS AND SOME HAIL DURING WEEK. CONTINUED EXTREME HEAT DURING MOST OF THE WEEK HAS LOWERED POSSIBLE YIELDS OVER THE COUNTY. IN THE WESTERN PART THE CONTINUED WARM WEATHER THE PAST TWO WEEKS HAS BEEN FELT TO QUITE A LARGE EXTENT SO IT IS NOT ESTIMATED OVER A FOUR OR FIVE BUSHEL CROP. IDEAL GROWING CONDITIONS FOR CORN. SUGAR BEET CROP AND OTHER VALLEY CROPS LOOKING FINE. SOME GRASSHOPPERS AND WEB WORMS CAUSING TROUBLE IN SOME AREAS WHICH HAS NECESSITATED SOME POISONING. LIVESTOCK IN VERY GOOD SHAPE GAINING ALL THE TIME. RANGE PASTURES IN GOOD SHAPE, ALTHOUGH CERTAIN AREAS ARE BEGINNING TO DRY UP AND ARE NEEDING MOISTURE. VERY LITTLE WOOL HAS BEEN MARKETING UP TO DATE AND SHEEPMEN ARE WAITING FOR BETTER PRICES.

ROOSEVELT: VERY HOT THE FORE PART OF WEEK WITH SOME COOLER DAYS LATER. SHOWERS ON THURSDAY OVER MUCH OF COUNTY. PRECIPITATION RANGED FROM 0 TO 2.00 INCHES. SOME HAIL DAMAGE REPORTED. CORN AND GARDEN CROPS MAKING GOOD GROWTH. RYE HARVEST STARTED. MANY FARMERS CUTTING GRAIN FOR HAY. FEED SITUATION EXCELLENT. GRASSHOPPER DAMAGE LIMITED WITH SOME POISONING ON FLAX AND OATS. LIVESTOCK GOOD.

ROSEBUD: SCATTERED SHOWERS IN SEVERAL SECTIONS OF COUNTY DID NO GOOD AND NO DAMAGE EXTREME HEAT DURING ENTIRE WEEK. COMBINE HARVESTING OF WINTER WHEAT WILL START NEXT WEEK. BINDING HAS STARTED. YIELDS WILL RUN FROM 10 TO 35 BUSHEL, WITH AROUND 15 TO 18 BUSHEL AVERAGE. VERY LITTLE SPRING GRAIN WILL BE HARVESTED. CORN MAKING EXCELLENT GROWTH. IRRIGATED CROPS FROM GOOD TO BAD. BEETS MAKING GOOD GROWTH. SECOND CROP ALFALFA IN ONE DISTRICT HAS NOT STARTED DUE TO GRASSHOPPER INFESTATION. HOPPERS BAD IN MANY SECTIONS OF COUNTY. MORMON CRICKETS MOVING IN FAST ON GRAIN IN SOUTHERN PORTION OF COUNTY. ALL LIVESTOCK IN EXCELLENT SHAPE. GRASS GOOD.

SANDERS: PRECIPITATION: NONE, TEMPERATURE: AVERAGE MAX: 95, AVERAGE MIN: 52. IDEAL GROWING CONDITIONS UNDER IRRIGATION BUT DRY LANDS ARE NEEDING RAIN. ALL CROPS UNDER IRRIGATION ARE 100% AND MAKING RAPID GROWTH UNDER PRESENT HIGH TEMPERATURES. EARLY VARIETIES OF SEED PEAS RIPENING WITH HARVESTING STARTING WITHIN TEN DAYS. SECOND CUTTING ALFALFA MAKING RAPID GROWTH. AMPLE WATER SUPPLY. DRY LAND CROPS NEEDING RAIN. WINTER WHEAT HARVEST STARTING WITH APPARENT LOW YIELDS FROM LACK OF MOISTURE AND FROST INJURY. LIVESTOCK IN GOOD CONDITION. RANGE BADLY DRIED OUT ON LOWER ALTITUDES. MOUNTAIN RANGE VERY GOOD. GRASS FAT CATTLE GOING TO MARKET. SOME LABOR SURPLUS. NO FOREST FIRES TO DATE BUT HAZARD INCREASING WITH ALL LOOKOUTS AT STATIONS AND EMERGENCY CREWS BEING ORGANIZED.

SHERIDAN: RAIN NONE. SEVERAL HOT DAYS; MAY HAVE DONE SOME DAMAGE IN AREAS WHERE RAINS WERE NOT SO PLENTIFUL. CROPS FAIR IN MOST AREAS, EXCEPT SOUTH-EAST AND SOUTH PORTIONS WHERE RAINFALL WAS INSUFFICIENT FOR A GOOD START. FLAX SEEMS TO HAVE A GOOD TALL GROWTH. MANY WHEAT FIELDS HAVE A HEAVY STOOING SO THAT HEAVY RAINS ARE NECESSARY TO CARRY IT THROUGH. LIVESTOCK IN GOOD CONDITION. LABOR SITUATION GOOD. GRASSHOPPERS BEGINNING TO APPEAR AND SOME POISONING BEING DONE. SOME ARMY WORMS.

STILLWATER: VERY HOT AND DRY FIRST PART OF WEEK WITH SCATTERED SHOWERS OVER COUNTY A VERY DESTRUCTIVE HAIL AND CLOUDBURST IN RAPELJE AREA WEDNESDAY NIGHT. RAIN NEEDED IN ALL PARTS OF COUNTY, ESPECIALLY FOR THE SPRING GRAINS. SOME GOOD AREAS OF WINTER WHEAT IF RAINS COME WITHIN A WEEK. GRASSHOPPERS VERY BAD IN ALL PARTS AND DOING CONSIDERABLE DAMAGE TO SPRING GRAINS AND RANGE. FARMERS IN ALL PARTS OF COUNTY POISONING. BOTH CATTLE AND SHEEP IN GOOD CONDITION BUT RANGES ARE DRYING UP QUICKLY. NO WOOL SALES PAST WEEK. SURPLUS OF LABOR.

SWEET GRASS: PRECIPITATION .25 INCH. GENERAL GROWING CONDITIONS SPOTTED. CROP CONDITIONS GOOD IN GIBSON SECTION; HAILED OUT ON THE SWEET GRASS. VERY DRY IN THE MELVILLE SECTION, EARLY SEEDING BADLY DAMAGED, OATS AND LATE SPRING WHEAT SAFE FOR ANOTHER WEEK WITHOUT RAIN. SOUTHERN SECTIONS AMPLE MOISTURE, BUT GRASSHOPPERS TAKING SECOND CUTTING OF HAY AND CONSIDERABLE DAMAGE BEING DONE TO GARDENS AND GRAINS. LIVESTOCK IN GOOD SHAPE, A FEW SALES OF YEARLINGS AT 6¢. LABOR SITUATION NORMAL. GRASSHOPPER SITUATION SERIOUS, CRICKETS SPREADING TO ALL PARTS OF COUNTY.

TETON: IT HAS BEEN VERY WARM ALL WEEK, REACHING A MAX. OF 95 DEGREES ON THE 15TH. THE WHEAT HAS BEEN HURT CONSIDERABLY BY THE HEAT AND DROUGHT. THE GRAIN IS HEADING OUT SHORT. THE ONLY PRECIPITATION WAS ON THE 20TH WHEN WE RECEIVED .10. THERE HAVE BEEN A FEW SCATTERED SHOWERS, BUT NOT MUCH RAIN IN ANY PART OF COUNTY. RANGE IS VERY DRY. THE HOPPERS ARE STARTING TO FLY AND MOVE IN ON THE CROPS IN SOME SECTIONS. DAMAGE NOT EXTENSIVE. GRAIN BUG INFESTATION AREA IN NORTHWESTERN PART OF COUNTY. HOT WEATHER HURT SOME OF THE PEAS. FEW LIVESTOCK ARE MOVING TO MARKET BECAUSE OF LACK OF RANGE. LABOR SITUATION O. K.

TOOLE: EXTREME TEMPERATURES OF THE YEAR WERE REACHED LAST WEEK AND THE THERMOMETER HAS BEEN HOVERING NEAR 100 DEGREES FOR THE PAST WEEK. NO RAIN. CROPS HAVE HELD UP EXCEEDINGLY WELL UNTIL THE PAST TWO WEEKS. MOISTURE CONDITIONS VERY GOOD THIS SPRING, BUT SINCE THE 20TH OF MAY THERE HAS BEEN NO RAINFALL TO SPEAK OF IN THE COUNTY. THE HOT BLASTS OF THIS WEEK HAVE CUT DOWN ANY POSSIBILITIES OF ANY GOOD CROPS IN THE GREATER SECTION OF TOOLE COUNTY. A SMALL AREA AROUND THE WESTERN PART OF THE SWEETGRASS HILLS IS STILL IN FAIRLY GOOD SHAPE. SEVERAL SHEEP AND CATTLE MEN HAVE BEEN FORCED TO MOVE THEIR STOCK. PRACTICALLY ALL THIS MIGRATION HAS BEEN FROM THE EASTERN THIRD OF THE COUNTY. ABOUT 3,000 SHEEP AND 1,500 HEAD OF CATTLE HAVE BEEN MOVED TO DATE, AND IF PRESENT WEATHER CONDITIONS HOLD UP, THERE WILL BE A MUCH LARGER MOVEMENT IN THE VERY NEAR FUTURE. LABOR PLENTIFUL.

VALLEY: THE WEEK HAS BEEN CHARACTERIZED BY VERY WARM WEATHER WITH SCATTERED SHOWERS OVER THE COUNTY AND A GOOD DEAL OF DAMAGING HAIL. GROWING CONDITIONS IN GENERAL HAVE BEEN GOOD. DRY LAND CROPS ARE VERY SPOTTED - RANGING FROM TOTAL FAILURE IN THE SOUTHWESTERN PART OF THE COUNTY TO VERY GOOD IN THE NORTHERN AND EASTERN PORTION. A HAIL STRIP ACROSS THE NORTHERN HALF OF THE COUNTY FROM NORTHWEST TO SOUTHEASTERN TOTALLY DESTROYING A STRIP FROM ONE TO TWO MILES WIDE. ANOTHER VERY DAMAGING HAIL HIT IN THE NORTHWESTERN PART IN THE GENIEVE DISTRICT. IRRIGATED CROPS ARE LOOKING GOOD WITH FIRST CROP OF HAY IN THE STACK. LIVESTOCK IN GENERAL ARE IN GOOD CONDITION WITH THE RANGES VERY GOOD, EXCEPTING IN THE SOUTHWEST WHERE RAINFALL HAS BEEN LATE AND GRASSHOPPER DAMAGE OCCURRING. NO LABOR NEEDED.

WHEATLAND: HOT AND DRY ALL WEEK IN CENTRAL PART OF COUNTY. RAIN IN NORTHERN PART OF COUNTY MIDDLE OF WEEK. GENERALLY CROPS IN GOOD CONDITION. GRASSHOPPER SITUATION SAME WITH YET LITTLE OR NO DAMAGE TO CROPS. NO CHANGE IN LIVESTOCK.

WIBAUX: WARM WEATHER DURING THE WEEK WITH EXTREMELY HEAVY RAIN AND A GREAT DEAL OF HAIL. THOUSANDS OF ACRES OF GOOD GRAIN HAILED AGAIN THIS WEEK. 10% LOSSES COMMON. PRECIPITATION RANGED FROM .20 INCH AT WIBAUX TO 4 INCHES IN OTHER PARTS OF COUNTY. IT IS ESTIMATED THAT NEARLY 50% OF GRAIN ACREAGE IN COUNTY HAS BEEN HAILED. GRAIN NOT HAILED IN GOOD SHAPE ALSO FEED CROPS. SOME WHEAT SALES AT 20 $\frac{1}{2}$ CENTS AND DOWN TO 18. POULTRY HAS NOT SOLD. A FEW GRASSHOPPER REPORTS. NO DAMAGE REPORTED.

YELLOWSTONE: HOT AND DRY FIRST PART OF WEEK. UNSETTLED AND COOLER LATTER PART OF WEEK WITH SCATTERED SHOWERS. HARVEST HAS STARTED IN SEVERAL NON-IRRIGATED DISTRICTS. YIELD PROSPECTS ARE VERY GOOD ON SOUTH BENCHES. YIELDS IN DISTRICTS NORTH OF YELLOWSTONE RIVER WILL BE LESS THAN EXPECTED EARLIER, DUE TO DAMAGE FROM DROUGHT AND GRASSHOPPERS. BEETS, BEANS AND OTHER IRRIGATED CROPS GENERALLY IN GOOD CONDITION. FARMERS BUSY PAST WEEK WITH IRRIGATION AND CULTIVATION OF ROW CROPS. MANY FIELDS OF ALFALFA PREVIOUSLY REPORTED AS SHOWING POOR GROWTH DUE TO GRASSHOPPER DAMAGE ARE NOW IN GOOD CONDITION. IN GENERALLY GOOD CONDITIONS. FEED AND HAY CROP BETTER THAN AVERAGE IN ALL COMMUNITIES.

UNITED STATES DEPARTMENT OF AGRICULTURE
Weather Bureau—Bureau of Agricultural Economics

REPORT OF WEATHER AND CROP CONDITIONS IN MONTANA
Week Ending Tuesday, July 30, 1935.

*Issued jointly by the Division of Crop and Livestock Estimates and the Weather Bureau.
Offices: Fourth Floor, Federal Office Building, Helena, Montana.*

The week ending July 30th was mostly hot and dry with the season's highest temperatures being reported on the 27th and 28th when maxima of from 100° to 111° occurred in the eastern third of the State and temperatures close to the 100°-mark were reached in the western portions. Light to moderate showers in northwestern, north-central, and in parts of south-central Montana were beneficial to crops in those areas but the greater portion of the State was rainless and this fact together with the hot weather resulted in deterioration of most dry land crops and pastures as compared with a week earlier.

Winter wheat harvest has been advanced by the hot dry weather to a point where binding and combining is now taking place practically at normal dates. It is yet too early to determine average yields, the early harvest returns indicating a wide range. Spring wheat is a very spotted crop with good stands and good yields still in prospect in northeastern and parts of eastern Montana, but with many fields being cut for hay or abandoned in central and western Montana where either seeded on poor soils or with poor preparation or where missed by local rains in late June and July. The full extent of damage to spring grain crops is yet to be determined. Haying continues with yields ranging from poor to very good, but on the whole much better than in 1934 except in the drier counties of north-central Montana.

Irrigated crops, including sugar beets, for most part are making seasonable growth although some localities are reporting a shortage of irrigation water for late summer needs. Corn and potatoes generally are showing good stands, except in the drier localities. Harvest of both sour and sweet cherries has started in western Montana with yields generally in line with earlier expectations.

Crop damage for the week continued to be confined largely to grasshoppers and crickets working mostly in counties in the southern half of the State and with the heaviest grasshopper damage being reported from Musselshell County where they have taken considerable toll from wheat and alfalfa fields. Only one report of rust has come in this season to date and that from the southeastern portion of Wibaux County.

Livestock continues in very good shape for the State as a whole and range and feed conditions continue favorable except in parts of north-central Montana, especially in Chouteau, Cascade and Pondera Counties where early shipments are expected on account of drought damage to range and pasture feeds. Feed on summer ranges is generally reported good and both cattle and sheep are apparently making normal gains. Stockwater supplies with a few exceptions are reported sufficient to ample.

WEEKLY TEMPERATURE AND PRECIPITATION DATA

Station	Highest temperature	Lowest temperature	Total Precipitation
Billings	103	58	0.14
Bozeman	95	42	0.00
Cut Bank	96	41	0.25
Glasgow	106	47	0.07
Glendive	111	55	0.00
Great Falls	103	46	0.17
Havre	98	50	0.52
HELENA	99	51	0.12
Kalispell	96	42	0.56
Lewistown	98	41	0.05
Miles City	108	64	T
Missoula	100	42	0.32

*A. E. Osborn, Weather Bureau.
J. G. Diamond, Division of Crop and Livestock Estimates.*

*July 31, 1935.
Helena, Montana.*

THE FOLLOWING COUNTY SUMMARIES OF CRDP CONDITIONS FOR WEEK ENDING JULY 27, 1935,
ARE FURNISHED THROUGH THE COURTESY OF DIRECTOR J. C. TAYLOR, MONTANA STATE
EXTENSION SERVICE.

BEAVERHEAD: EXTREMELY HOT WEATHER; SHOWERS SPOTTY THROUGHOUT COUNTY. FIRST CROP ALFALFA PUT UP; WILD HAY IN FULL SWING; HAY CROP SPOTTED WITH OUTLOOK FOR MORE HAY THAN LAST YEAR; PEAS, GRAINS AND POTATOES GOOD. RANGE VERY DRY AND BURNING IN SOME SECTIONS. LABDR SITUATION NORMAL. GRASSHOPPERS AND CRICKETS DOING CONSIDERABLE DAMAGE TO RANGE. GRASSHOPPERS DOING SOME DAMAGE TO HAY AND GRAIN CROPS IN THE DELL SECTION. POISONING CAMPAIGN BEING CONDUCTED IN ABOVE SECTIONS.

BIG HORN: - THE WEEK HAS BEEN WARM AND DRY AFTER SCATTERED SHOWERS SUNDAY AND MONDAY WHICH APPROACHED CLOUDBURST IN PLACES AND NO RAIN IN OTHERS. WATER HOLES FILLED UP AND RANGE IMPROVED MATERIALLY BECAUSE OF THIS. COMBINING STARTED THIS WEEK WITH REPORT OF YIELD OF 10 - 15 BUSHELS OF WINTER WHEAT. HARVEST IN FULL SWING NEXT WEEK. GRASSHOPPERS STILL DAMAGING TO VALLEY AND ALFALFA SEED CROPS. BEET CROP BEST IN YEARS. CATTLE IN EXCELLENT CONDITION AND GRASS ON RANGE RIPENING. LABDR AMPLE. MORMON CRICKETS LAYING EGGS. WEEDS IN VALLEY PROLIFIC.

BLAINE: - WEATHER CONDITIONS THE PAST WEEK HAVE BEEN CHARACTERIZED WITH HIGH TEMPERATURES, LOCAL SHOWERS AND HIGH WINDS. RAIN HAS BEEN RECEIVED IN ALL PARTS OF THE COUNTY, RANGING FROM LIGHT SHOWERS TO CLOUDBURSTS. HAIL DID CONSIDERABLE DAMAGE IN THE NORTHERN PART OF THE COUNTY AND ALSO IN THE SOUTHEASTERN PART. CROPS WHICH HAVE NOT RECEIVED HAIL ARE GREATLY IMPROVED OVER THE PAST WEEK. MANY FIELDS THAT WERE SEVERELY BURNED HAVE REVIVED TO THE POINT WHERE A MEDIUM, FAIR CROP MAY BE HARVESTED UNDER FAVORABLE CONDITIONS. SUGAR BEETS ARE MAKING RAPID GROWTH AS WELL AS OTHER IRRIGATED CROPS. LIVESTOCK IN GENERAL ARE IN GOOD SHAPE. RANGE CONDITIONS ARE GREATLY IMPROVED DUE TO RECENT RAINS. GENERALLY SPEAKING, RANGE IS IN EXCELLENT CONDITION WITH AN ABUNDANCE OF WATER.

CARBON: - ABUNDANT RAINFALL, AMOUNTING TO CLOUDBURSTS IN PORTIONS OF THE COUNTY. .51 INCH FELL IN RED LODGE AREA, WHILE .54 INCH OF RAINFALL WAS REPORTED IN THE BRIDGER AREA. HAIL DID SOME DAMAGE ON LOWER RED LODGE CREEK AND ALSO IN THE EDGAR AREA. HARVESTING OF WHEAT IN PROGRESS. GRASSHOPPERS ARE DOING CONSIDERABLE DAMAGE. NEW SUPPLY HOPPER BAIT JUST RECEIVED. LIVESTOCK IN VERY GOOD SHAPE. RANGES ARE BURNING UP.

CARTER-FALLON: PRECIPITATION .67 INCH IN BAKER. WEATHER EXTREMELY HOT AND DRY. GOOD RAIN IN SOME AREAS JULY 21. NORTH FALLON COUNTY CROP PROSPECTS FAIR TO AVERAGE. SOUTH FALLON CROPS PRACTICALLY ALL BURNED AND MOSTLY BEING CUT FOR HAY. PRACTICALLY ALL OF CARTER COUNTY GRAIN BEING CUT FOR HAY DUE TO SEVERE GRASSHOPPER INFESTATION. FOR THE PAST TEN DAYS, GRASSHOPPERS HAVE BEEN INCREASING IN ALARMING NUMBERS UNTIL AT THE PRESENT TIME THE INFESTATION IN ALL FARMING AREAS IN CARTER COUNTY IS THE WORST IN THE PAST TEN YEARS. CORN ALL IN EXCELLENT SHAPE AND PRACTICALLY EVERYONE ASSURED OF A PARTIAL SUPPLY OF FEED. PRACTICALLY ALL WOOL SOLD OR CONSIGNED. LAMB BUYING STARTED IN THE TERRITORY. CATTLE IN GOOD SHAPE WITH SUFFICIENT RANGE AND WATER FOR THE SUMMER AND FALL. GRASSHOPPERS INCREASING IN ALARMING NUMBERS IN BOTH FALLON AND CARTER COUNTIES. CARTER COUNTY INFESTATION THE WORST ON RECORD.

CASCADE: - HOT, DRY WEATHER AND LACK OF PRECIPITATION CONTINUES TO DECREASE THE AMOUNT OF FEED AVAILABLE FOR LIVESTOCK. WATER HOLES ARE DRYING UP RAPIDLY. WINTER WHEAT IS MATURED AND HARVEST IS WELL UNDER WAY. DAMAGE IS BEING REPORTED FROM GRASSHOPPERS, CRICKETS AND SAYS PLANT BUGS. MANY GARDENS ARE ALSO BEING DAMAGED BY BLISTER BEETLES. CROPS ON THE IRRIGATED SECTIONS ARE LOOKING EXCELLENT WITH FINE PROSPECTS FOR HAY, SEED PEAS, SUGAR BEETS AND POTATOES. MANY STOCKMEN ARE PREPARING TO SHIP CATTLE TO MARKET. SURPLUS OF LABDR.

CUSTER-POWDER RIVER: PRECIPITATION AT MILES CITY .38 INCH. SCATTERED SHOWERS IN BOTH COUNTIES. HEAVY HAIL IN NORTH-CENTRAL POWDER RIVER COUNTY. TEMPERATURES HIGH WITH SOME WIND. GRASSHOPPERS DOING DAMAGE IN SOME SECTIONS. GRAIN CROP WILL BE SMALL. SOME HARVESTING TAKING PLACE. HAY CROP UNUSUALLY SHORT. TOO EARLY YET FOR DETERMINATION OF ALFALFA SEED PRODUCTION. MOST WHEAT ON NORTH SIDE WILL NOT EXCEED 3 TO 4 BU. PER ACRE. CATTLE AND SHEEP IN GOOD SHAPE. WATER ADEQUATE. LAMBS DOING WELL. MOST WOOL WENT OUT ON CONSIGNMENT.

CHOUTEAU: - SULTRY WEATHER PREVAILED DURING WEEK WITH SCATTERED SHOWERS IN SOME COMMUNITIES. TWO HAILSTORMS OCCURRED DURING WEEK, WITH APPROXIMATE LOSS OF 150,000 BUSHELS OF WHEAT, ONLY PART OF WHICH WAS COVERED BY INSURANCE. COMBINE HARVEST OF WINTER WHEAT NOW UNDER WAY, WITH YIELDS VERY SPOTTED, VARYING FROM POOR TO VERY GOOD, BUT BELOW AVERAGE. VERY LITTLE SPRING WHEAT WILL BE HARVESTED, WITH A YIELD PROSPECT OF NOT MORE THAN 20 PER CENT NORMAL. FARMERS MAKING ARRANGEMENTS TO DISPOSE OF LARGE AMOUNT OF LIVESTOCK ON ACCOUNT OF SHORTAGE OF PASTURE AND ADEQUATE WATERING FACILITIES. GRASSHOPPER DAMAGES NOT NOTICEABLE. MORMON CRICKETS ARE RAPIDLY SPREADING BUT LITTLE REAL DAMAGE REPORTED.

DANIELS: - ABOUT ONE INCH AVERAGE PRECIPITATION. NORTHERN AND SOUTHEASTERN PART OF COUNTY IN EXCELLENT CONDITION. HAILED OUT IN SOUTHWESTERN PART OF COUNTY. LIVESTOCK IN GOOD CONDITION. SHIPPING STARTING. NO LABOR.

DAWSON: - SEASONABLY WARM; WITHOUT PRECIPITATION OVER MOST AREAS, ALTHOUGH SCATTERED DISTRICTS RECEIVED THUNDER SHOWERS EARLY IN WEEK. HAYING OF WILD AND GRAIN HAYS QUITE GENERAL OVER COUNTY, WITH GOOD CROPS PILING UP. HARVESTING OF WHEAT AND SMALL GRAIN FEED CROPS ALSO STARTING IN LOWER AREAS, WITH FAVORABLE YIELDS BEING REPORTED. CORN SHOWING GOOD GROWTH. HEAVY SEEDING OF GRAMA GRASS OVER ENTIRE AREA AND RANGES HOLDING UP WELL.

FERGUS: - PRECIPITATION .58 INCH. MAXIMUM TEMPERATURE 89, MINIMUM TEMPERATURE 48 DEGREES. WINTER WHEAT RIPENING VERY FAST IN ALL SECTIONS OF COUNTY. THERE IS SOME BINDING STARTED. COMBINING WILL PROBABLY START IN ABOUT A WEEK OR TEN DAYS. YIELDS OF WINTER WHEAT WILL BE SOME LESS THAN NORMAL. SPRING WHEAT IN CENTRAL PART OF THE COUNTY, WHICH WAS NOT DAMAGED BY THE DROUGHT BEFORE THE TENTH OF JULY, HAS IMPROVED SOME DUE TO RECENT RAINS. WHEAT HAY BEING PUT UP NOW. RECENT RAINS FILLED MANY STOCK RESERVOIRS AND HELPED TO FRESHEN UP THE RANGE, IN THE NORTHEAST AND CENTRAL PARTS OF THE COUNTY. WHEAT MEASUREMENT 80% COMPLETED. BETTER COMPLIANCE THAN FOR LAST YEAR. GRASSHOPPERS DOING DAMAGE IN EASTERN PART OF COUNTY.

(CONTINUED ON PAGE 2.)

FLATHEAD: HAVE HAD A NUMBER OF LOCAL RAINS, SOME VERY HEAVY; SOME PARTS OF THE COUNTY STILL REMAIN QUITE DRY. GROWING CONDITIONS STILL REMAIN FAIR. SOME SMALL DAMAGE DONE IN FEW SPOTS BY HAIL. CROP CONDITIONS PRETTY GOOD EXCEPT FOR SPOTTED LOSSES BY HAIL, WIND, AND HEAVY RAINS. PEA HARVEST WELL UNDER WAY; WINTER WHEAT TURNING AND SOME SPRING GRAINS ALMOST READY TO CUT; POTATOES LOOK GOOD; SECOND CROP ALFALFA BEING CUT ON SOME EARLY FIELDS. LIVESTOCK IN GOOD SHAPE; RANGES IN FAIR CONDITION. LABOR SITUATION SATISFACTORY.

GALLATIN: RISE IN TEMPERATURES WITH HOT WINDS LATTER PART OF WEEK. DISASTROUS HAIL IN WEST PORTION OF COUNTY SUNDAY. GRAIN CUTTING WELL UNDER WAY WITH BOTH BINDERS AND COMBINES. INCREASE IN AMOUNT BEING CUT WITH BINDERS. SEED PEA HARVEST STARTED. IRRIGATED SMALL GRAIN SHOWING PARTICULARLY GOOD PROSPECTS. DRY WINDS QUITE DAMAGING TO DRYLAND SPRING GRAIN. RANGES DRY. CATTLE IN GOOD SHAPE. DECREASE IN BUTTERFAT PRODUCTION.

GLACIER: ABOUT 1/3 INCH RAINFALL OVER MOST OF COUNTY FIRST PART OF WEEK, NEARLY CLOUDBURSTS IN SOME LOCALITIES; SCARCELY ANY RAIN IN OTHERS. LIGHT SHOWERS LAST HALF OF WEEK. HIGH TEMPERATURES GENERALLY PREVAILED MOST OF WEEK. RAINS OF THE WEEK HELPED A LOT TO FILL WHAT GRAIN IS STILL STANDING; HELPED RANGE SOME, ALTHOUGH MOST RANGE IS CURED AND NOT DOING MUCH ADDITIONAL GROWING. NATIVE HAY YIELDS LOW. CONSIDERABLE PERCENTAGE WHEAT ON GOOD TYPE SOIL SEEDED ON SUMMER-FALLOW WILL YIELD 20 TO 25 BU. CROPS SHOTGUNNED ON POOR SOIL TYPES WILL MAKE 1/4 TON HAY OR USED FOR PASTURE. SOME CROPS ABANDONED AND LAND IS BEING CULTIVATED AS SUMMERFALLOW. WHEAT PRODUCTION NOW ESTIMATED AT 60% OF AVERAGE. FIRST CUTTING IRRIGATED ALFALFA JUST FINISHED BEING PUT UP WITH HIGHER THAN AVERAGE YIELDS. HOPPER BAIT BEING SPREAD ON HALF DOZEN FARMS. LIVESTOCK IN GOOD SEASONAL CONDITION. LABOR BALANCED.

GOLDEN VALLEY & MUSSELSHELL: SEVERAL HARD LOCAL SHOWERS DURING THE WEEK; OF LITTLE VALUE TO CROPS. SOME STORMS WITH DAMAGING HAIL. WITH NUMEROUS HAIL STORMS, GRASSHOPPERS AND DRY WEATHER, CROP CONDITIONS ARE VERY POOR. SOME LOCALITIES IN MUSSELSHELL COUNTY HAVE HAD TWO AND THREE HAIL STORMS, TAKING EVERY VESTIGE OF CROP. THE WINTER WHEAT LOCALITY HAD A PROMISE OF FROM TWENTY TO TWENTY-FIVE BUSHELS OF WHEAT TO THE ACRE AND NOW GRASSHOPPERS HAVE DESTROYED FROM 50% TO 60% OF THE WHEAT AND ARE STILL GOING STRONG. AS NEAR AS WE CAN ASCERTAIN, THIS IS THE FIRST TIME THAT THE HOPPERS HAVE INVADDED THE BOTTOM LAND ALONG THE MUSSELSHELL RIVER, BUT THIS YEAR THEY ARE DOING CONSIDERABLE DAMAGE TO ALFALFA AND GRAIN CROPS. A GREAT DEAL OF GRAIN IS BEING CUT GREEN IN ORDER TO SAVE SOME FEED. LIVESTOCK IS STILL IN GOOD CONDITION WITH PLENTY OF WATER; HOWEVER, THE FEED IS GETTING LOW IN MANY LOCALITIES, DUE TO DRY WEATHER AND HOPPERS.

HILL: - PRECIPITATION, .83 INCH FOR THE PAST WEEK. DURING THE PAST WEEK THERE WAS A HAIL STORM IN THE NORTHWESTERN PART OF THE COUNTY WHICH DESTROYED 12,000 ACRES OF CROP. THE SAYS GRAIN BUG DEVELOPING IN GREAT NUMBERS; SHOWING A GREATER AMOUNT OF DAMAGE THAN WAS IN EVIDENCE LAST WEEK. GRASSHOPPERS MAKING THEIR APPEARANCE IN LARGE NUMBERS, EVIDENTLY FLYING IN FROM OUTSIDE DISTRICTS. CROPS ARE IMPROVED OVER LAST WEEK AS A RESULT OF THE RECENT RAINS. RANGES ARE SLIGHTLY IMPROVED. LIVESTOCK IN GOOD CONDITION. A SURPLUS OF LABOR.

JUDITH BASIN: SEVERAL SHOWERS HAVE COME DURING THE PAST WEEK, STRIKING VARIOUS PARTS OF THE COUNTY. MOST OF THESE HAVE COME IN VARIOUS DOWNFALLS AND HAVE NOT BEEN OF DECIDED BENEFIT. HOWEVER, THEY HAVE INCREASED THE GRASS SOMEWHAT. MOST OF THE FALL GRAIN IS TURNING RIPE AND SPRING GRAIN WILL NOT AMOUNT TO VERY MUCH ON ACCOUNT OF DRY WEATHER. HAY IS PRETTY WELL UP THROUGHOUT THE COUNTY AND IS A LIGHTER CROP THAN USUAL. MUCH OF THE SPRING GRAIN WILL BE CUT FOR HAY. HAIL STORMS DURING THE PAST WEEK IN SEVERAL PARTS OF THE COUNTY HAVE CAUSED CONSIDERABLE DAMAGE. RANGE IS NOT GROWING MUCH EXCEPT IN SPOTS FAVORED BY OCCASIONAL SHOWERS. STOCK IS NOT GOING TO MARKET YET AND IS STILL IN VERY GOOD CONDITION ON THE RANGE. IMPROVED DUE TO THE FACT THAT HARVEST IS COMING ON IN GOOD SHAPE.

LAKE: - ON THURSDAY AFTERNOON A WIND-AND-RAIN STORM HIT, DOING SOME DAMAGE TO CROP AND BUILDINGS, BUT SINCE CONSIDERABLE RAIN FELL THE BENEFITS FAR EXCEEDED THE SMALL DAMAGE TO CROPS AND BUILDINGS. THERE WERE A FEW LOCAL SHOWERS ON OTHER DAYS INTERMINGLED WITH HOT WEATHER. THE FIRST CUTTING OF HAY IS UP. THE SECOND CROP IS WELL ALONG. FALL GRAIN IS BEING HARVESTED; OTHER CROPS DOING WELL. THE SWEET CHERRY CROP IS BEING PICKED AND MARKETED. THE YIELD WILL BE LESS PER ACRE, BUT A MUCH LARGER TOTAL YIELD. SOME GRASS FAT CATTLE GOING TO MARKET. ALL LIVESTOCK PUTTING ON FLESH. LABOR PLENTIFUL. INSECTS DOING LITTLE DAMAGE.

LEWIS & CLARK: WEATHER CONTINUED QUITE HOT THIS WEEK BUT NOT UP TO THE EXTREME TEMPERATURES OF LAST WEEK. SOME SCATTERED THUNDER SHOWERS BUT NOT ENOUGH TO BE OF ANY REAL BENEFIT. GRAIN CROPS RIPENING RAPIDLY AND ADDITIONAL AREAS SHOWING DROUTH DAMAGE. THE EARLIEST GRAIN HARVEST IS EXPECTED TO START NEXT WEEK. HAY CROPS ARE SOMEWHAT SHORTER THAN LAST YEAR IN THE SOUTHERN PART OF THE COUNTY, BUT UP TO LAST YEAR'S PRODUCTION IN THE NORTHERN PART. GRASS ON THE HIGHER RANGES REMAINS GOOD IN SPITE OF HOT WEATHER. LOWER RANGES ARE BADLY DRIED OUT AND SOME STOCKMEN ARE FACING FEED SHORTAGE.

MISSOULA: WARM AND DRY FIRST AND LAST OF WEEK. SHOWERS WEDNESDAY AND THURSDAY. GENERALLY GOOD GROWING CONDITIONS. WINTER WHEAT RIPENING. HARVEST HAS STARTED. LOW YIELDS ANTICIPATED. HAYING IN ALL STAGES OF PROGRESS. CUTTING SECOND CROP ALFALFA STARTED. SUGAR BEETS AND POTATOES MAKING SATISFACTORY GROWTH. SOUR CHERRY CROP BEING PICKED. GOOD YIELDS. LIVESTOCK IN GOOD CONDITION. RANGES HOLDING UP WELL.

PARK: - HOT; LITTLE PRECIPITATION. HAIL WAS RECEIVED IN SOME SMALL LOCALITIES ESPECIALLY IN THE NORTH END OF THE COUNTY. GROWING CONDITIONS ARE VERY POOR. LATE SPRING GRAINS ON DRY LAND NEED RAIN VERY BADLY. EARLY SPRING GRAINS ARE BURNING UP. HARVEST OF WINTER WHEAT WILL BE STARTED BY NEXT WEEK. THE FIRST CROP OF ALFALFA HAY IS IN THE STACK. GRASSHOPPERS ARE DOING DAMAGE TO THE SECOND CROP. SOME MORMON CRICKETS ARE DOING DAMAGE IN THE BOULDER SECTION AND CINNABAR BASIN. RANGES ARE BECOMING DRY AND IN SOME CASES HOPPERS ARE DOING CONSIDERABLE DAMAGE TO THE GRASS. LIVESTOCK ARE IN EXCELLENT CONDITION AS YET. LABOR SUFFICIENT.

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PHILLIPS: HEAVY LOCAL SHOWERS IN NORTH, EAST AND SOUTHWEST PORTIONS OF COUNTY HAVE PROVIDED ADDITIONAL MOISTURE THIS WEEK, WITH WARM WEATHER PREVAILING. LATE GRAINS AND CORN DOING WELL. SOME EARLY GRAINS RECOVERING AND WILL MAKE FAIRLY GOOD CROPS. MOST OF COUNTY ASSURED OF FEED EXCEPT HAILED-OUT AREAS. INDICATIONS NOW POINT TO ABOUT A 35% WHEAT CROP. ALFALFA SEED CROP ABOUT NORMAL. ALL CROPS UNDER IRRIGATION GOOD. RANGE AND WINTER FEED SITUATION IMPROVED. NO EARLY MOVEMENT OF LIVESTOCK ANTICIPATED. NO DEMAND FOR LABOR.

PONDERA: - HEAVY RAINS IN MID-SECTION OF THE COUNTY COVERING AN AREA OF APPROXIMATELY 10 SQUARE MILES ON WEDNESDAY OF THIS WEEK; ALSO RATHER UNIFORM RAINS OVER THE ENTIRE COUNTY ON SATURDAY AFTERNOON AND SUNDAY OF LAST WEEK. POSSIBILITY OF CROP IMPROVEMENT OVER A WEEK AGO INDICATES HIGH PERCENTAGE OF RAISE IN BUSHELAGE AND COMPLETING THE FILL OF WHEAT HEADED OUT. WHEAT - HERE AND THERE A FEW BURNED SPOTS CAN BE SEEN, CHIEFLY ON STUBBLED-IN CROP. ALL GOOD SUMMER FALLOW CARRIES GOOD HEADS AND IS FILLING IN MOST CASES THREE TO THE MESH. IN SOME PLACES WHEAT WILL BE A BIT SHORT IN STRAW, BUT BY AND LARGE IN THE CENTRAL DISTRICT FROM CONRAD TO VALIER STUBBLE WILL BE OF AMPLE LENGTH AND SOME WILL BE USED FOR FEED UNDOUBTEDLY. FEED CROPS HOLD A SIMILAR POSITION TO THAT OF WHEAT IN THIS COUNTY, DOING A SPLENDID JOB OF HEADING OUT AND HASTENING TOWARD MATURITY. GRASS WAS NOT MATERIALLY BENEFITTED, BUT HAS STARTED TO GREEN UP AGAIN IN ISOLATED SPOTS OF THE COUNTY AND LACK OF GOOD PASTURE HAS FORCED MOVEMENT OF CATTLE TO MARKET BY THE RELEASE OF 32 CARS FROM CONRAD IN THE PAST WEEK. NO HOGS MOVING BUT CONSIDERABLE WOOL HAS MOVED OUT A WEEK AGO. ESTIMATE IS MADE AT APPROXIMATELY 13 CARLOADS. SALE PRICES HAVE FALLEN OFF AND BUYERS FOR OLD LINE CONCERNS APPARENTLY HAVE HAD A STOP ORDER FOR PURCHASE OF WOOL.

PRAIRIE: GOOD SHOWER EVENING OF JULY 26th; OTHERWISE THE WEATHER HAS BEEN HOT AND DRY. THE SHOWER CAME TOO LATE TO MOST OF THE CROPS FOR ANY GOOD, THOUGH IT HELPED CORN AND BEANS, WHICH ARE LOOKING GOOD. SUGAR BEET WEB WORMS HAVE TAKEN SOME ALFALFA FIELDS AND GRASSHOPPERS ARE VERY THICK IN SOME AREAS. FARMERS ARE POISONING. MANY FARMERS ARE SALVAGING THEIR CROPS FOR HAY. LIVESTOCK IS IN GOOD CONDITION. WATER SITUATION IS SATISFACTORY IN MOST LOCALITIES. MOST OF THE RANGE GRASSES ARE SEEDING HEAVILY. SUPPLY OF LABOR IS AMPLE.

RICHLAND: EXCEPTIONALLY WARM WEATHER HAS PREVAILED DURING MOST OF THE WEEK. SLIGHT PRECIPITATION IN SMALL AREAS OVER THE COUNTY. GRAIN FIELDS HAVE CONSIDERABLY WHITE-CAPPED THE LAST TEN DAYS DUE TO THE HEAT, WHICH HAS REDUCED YIELDS. BLACK RUST HAS ALSO APPEARED IN CERTAIN AREAS, ESPECIALLY IN CERTAIN FIELDS IN THE VALLEY AND IN OTHER SPOTS OVER THE COUNTY. WEEK HAS BEEN IDEAL FOR CORN. HARVESTING OF EARLY FEED CROPS, ESPECIALLY BARLEY, STARTED TOWARDS THE END OF THE WEEK AND IT IS EXPECTED THAT A NUMBER OF GROWERS WILL BE STARTING HARVESTING NEXT WEEK. SECOND CUTTING OF HAY BEING PUT UP BUT MOST OF THE GROWERS PLAN ON STARTING NEXT WEEK. CONSIDERABLE DAMAGE BEING REPORTED IN CERTAIN AREAS WITH SUGAR BEET WEB WORM AND GRASSHOPPERS APPEARING IN LARGE NUMBERS THE LAST TWO WEEKS IN CERTAIN LOCALITIES IN THE COUNTY. RANGES ARE BEGINNING TO DRY UP AND ARE IN NEED OF MOISTURE.

ROOSEVELT: FREQUENT SHOWERS DURING THE WEEK, WITH HEAVY RAINS MONDAY AND TUESDAY. JULY TOTAL AT POPLAR EXCEEDS ANY JULY RECORD FOR PAST 60 YEARS. OTHER SECTIONS OF COUNTY NEARLY EQUAL. HAIL ON JULY 19 DESTROYED CROPS ON A FOUR-MILE STRIP EXTENDING DIAGONALLY ACROSS THE COUNTY FOR FIFTY MILES. GOOD CROPS EXPECTED IN EASTERN FOURTH AND NORTHERN FOURTH OF COUNTY, BUT ONLY FAIR ELSEWHERE. OATS CROP EXCEPTIONALLY GOOD. CORN AND GARDEN PROSPECTS ARE BEST IN YEARS. MANY GRASSHOPPER COMPLAINTS MADE, BUT FEW FARMERS ARE PUTTING OUT POISON. SOME OF THE BLACK STEM RUST IN EASTERN PORTION OF COUNTY. LIVESTOCK CONDITIONS GOOD.

ROSEBUD: THUNDERSTORMS IN NORTH AND SOUTH SECTIONS OF COUNTY HAVE YIELDED MOISTURE .22 INCH THROUGH CENTRAL PORTION OF COUNTY. HOT DAYS AND NIGHTS. WINTER WHEAT COMBINING HAS STARTED. QUALITY FROM #1 TO #3 YIELDS FROM 10 TO 40 BU., DEPENDING ON LOCATION. BULK OF SPRING WHEAT WILL BE CUT FOR HAY. CORN MAKING GOOD GROWTH WHERE MOISTURE CONDITIONS ARE FAVORABLE. CORN IN SOME SECTIONS NEEDS RAIN BADLY. IRRIGATED CROPS IN SOME AREAS BOTHERED WITH HOPPERS. SOME SECOND CROP HAY HAS NOT STARTED DUE TO GRASSHOPPER WORK. MORMON CRICKETS REDUCED SOME WINTER WHEAT YIELDS FROM 10 TO 60%. ALL LIVESTOCK IN GOOD SHAPE. GRASS GOOD.

SANDERS: PRECIPITATION .15 INCH. AVERAGE, MAXIMUM TEMPERATURE 92, MINIMUM 54. HIGH TEMPERATURE MOST OF WEEK WITH SCATTERED SHOWERS WHICH DID LITTLE GOOD TO EXTREME DRY CONDITIONS. BINDING OF WINTER WHEAT WELL ADVANCED. COMBINE HARVESTING JUST STARTING. AVERAGE YIELD WINTER WHEAT ABOUT 70% NORMAL. SPRING GRAIN FAIR TO POOR. SECOND CUTTING ALFALFA MAKING RAPID GROWTH UNDER IRRIGATION BUT VERY POOR ON DRY LAND. SEED PEA HARVESTING STARTED WITH VERY GOOD CROP. NO GRASSHOPPER DAMAGE. LIVESTOCK IN GOOD CONDITION. LOWER RANGE DRIED OUT. HIGH RANGE GOOD. SOME LABOR SURPLUS. SEVERAL SMALL FOREST FIRES FROM LIGHTNING EASILY CONTROLLED WITH LITTLE DAMAGE. FIRE HAZARD INCREASING.

SHERIDAN: RAIN 1.03 INCHES, PLENTYWOOD; SOME NEED FOR RAIN IN OTHER AREAS. MOST OF COUNTY IN FAIR CONDITION, SOME DRY AREAS, EXCEPT ON SUMMERFALLOW. RUST APPEARING WITHOUT MUCH DAMAGE ALTHOUGH DAMP MORNINGS HAVE ENCOURAGED IT SOME. PLENTY OF PASTURE. SOME POSSIBILITY IF PRESENT CROP GOES THROUGH THAT THERE WILL BE SOME SCARCITY OF LABOR BUT NOT SERIOUS. GRASSHOPPERS BEING POISONED IN DRYER SECTIONS, BUT NOT GENERALLY.

STILLWATER: HOT WEATHER DURING THE PAST WEEK WITH SCATTERED SHOWERS IN NORTH PART OF COUNTY OVER WEEK END. HAIL AND HEAVY DOWNPOUR OF RAIN IN SOUTH PART OF COUNTY, IN FISHTAIL AND THE EAST AND WEST ROSEBUD AREAS. WINTER WHEAT RIPENING RAPIDLY IN ALL PARTS OF COUNTY WITH HARVESTING STARTING IN SOME AREAS. SPRING WHEAT CROP WILL BE LIGHT DUE TO LACK OF MOISTURE. QUITE A BIT OF SPRING GRAIN BEING CUT FOR HAY. GRASSHOPPERS IN LARGE NUMBERS IN ALL PARTS OF THE COUNTY GRASSHOPPER BAIT BEING SPREAD. LIVESTOCK IN GOOD CONDITION. RANGES ARE DRYING UP QUITE RAPIDLY. SOME FARMERS REPORTING A SHORTAGE OF WATER IN RESERVOIRS. SURPLUS OF LABOR.

SWEET GRASS: GENERAL GROWING CONDITIONS GOOD IN IRRIGATED SECTIONS ONLY. ALL DRY LAND SECTIONS SUFFERING BADLY FROM NEED OF MOISTURE. ALL LIVESTOCK RANGING ON PASTURES AND FOOT HILLS ARE LOSING WEIGHT DUE TO INSECTS, SHORTAGE OF RANGE CAUSED BY DRY WEATHER THE PAST TWO WEEKS, AND GRASSHOPPERS. EVERY AVAILABLE MAN WORKING. GRASSHOPPER SITUATION SERIOUS; PUTTING OUT CARLOAD OF BAIT DAILY.

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TETON: - LOW TEMPERATURE FOR WEEK 49 AND HIGH 98, WITH HOT DRYING WINDS ON SATURDAY, DOING SERIOUS DAMAGE TO CROPS. CROP YIELDS ARE GOING BACK EVERY DAY. WINTER WHEAT IS RIPENING VERY RAPIDLY; EXPECT SOME FAIR YIELDS OF WINTER WHEAT. CROPS IN THE COUNTY ARE QUITE SPOTTED. SOME SMALL AREAS THAT RECEIVED RAINS AT CRITICAL TIME ARE LOOKING PRETTY GOOD, BUT THE COUNTY AS A WHOLE IS GOING TO HAVE ONLY ABOUT A NORMAL YIELD OF SPRING WHEAT. LIVESTOCK BEING MOVED TO MARKET BECAUSE OF POOR PASTURE.

TOOLE: - DURING FIRST PART OF WEEK, HEAVY CLOUDBURSTS WERE PREVALENT IN MOST OF THE COUNTY. IN THE EASTERN SECTION, THREE SUCCESSIVE STORMS INUNDATED THE AREA. CROPS IN THE COUNTY WILL BE FROM POOR TO AVERAGE. RAIN DID NOT COME QUITE SOON ENOUGH TO INSURE A GOOD CROP. SOME DAMAGE IS NOW APPARENT BY SAYS PLANT BUG. RAINS SHOULD BRING BACK GRASSES TO THE EXTENT THAT NO MORE CATTLE AND SHEEP SHOULD BE MOVED OUT OF THE COUNTY.

VALLEY: - WEATHER DURING THE WEEK HAS BEEN WARM WITH GENERAL SHOWERS THROUGHOUT THE COUNTY. GROWING CONDITIONS GOOD. CROP CONDITIONS ON DRY LAND AREAS RANGE FROM POOR TO VERY GOOD DEPENDING UPON AMOUNT OF PRECIPITATION AND FARMING METHODS EMPLOYED. HAYING HAS BEEN DELAYED BY RAINS AND MUCH OF THE HAY HAS BEEN DAMAGED. IRRIGATED CROPS IN GENERAL ARE NORMAL. LIVESTOCK IN GENERAL IS IN VERY GOOD CONDITION, WITH RANGES STILL GREEN AND CONTINUING TO IMPROVE EXCEPTING IN THE SOUTHWESTERN PART OF THE COUNTY, WHICH HAS HAD LIMITED MOISTURE AND IS SUFFERING FROM GRASSHOPPER DAMAGE. NO LABOR NEEDED.

WHEATLAND: WEATHER HOT DURING WEEK, WITH CONSIDERABLE RAINS GENERALLY OVER THE COUNTY. GROWING CONDITIONS GOOD. LARGE AMOUNT OF RAINFALL DURING EARLY PART OF WEEK. CROP CONDITIONS GOOD DUE TO CONSIDERABLE AMOUNT OF MOISTURE.

WIBAUX: - HOT WEATHER DURING THE WEEK. PRECIPITATION AT WIBAUX FOR THE WEEK, .45 INCH. HEAVIER RAINS IN PARTS OF THE COUNTY. RAINFALL AT WIBAUX DURING THE MONTH OF JULY, 5.62 INCH. LIGHTER RAINFALL WEST OF WIBAUX, WHERE CROPS ARE REPORTED FIRING TO SOME EXTENT. NORTH, EAST AND SOUTH OF WIBAUX HAVE HAD HEAVIER RAINFALL AND ARE REPORTING RUST. A FEW REPORTING HARVESTING SPRING WHEAT. RANGES IN GOOD CONDITION, AND LIVESTOCK IN EXCELLENT SHAPE.

YELLOWSTONE: MOSTLY CLEAR AND HOT. WINTER WHEAT HARVEST IS UNDER WAY IN NON-IRRIGATED DISTRICTS. ON SOUTH BENCHES, YIELDS AS HIGH AS 30 BUSHELS HAVE BEEN REPORTED. ON NORTH BENCHES, YIELDS ARE EXPECTED TO BE LOWER, DUE TO DROUTH AND GRASSHOPPERS. MANY FARMERS TURNING TO BINDERS AND HEADERS TO SAVE AS MUCH OF THE CROP AS POSSIBLE. WINTER WHEAT HARVEST WILL BE IN FULL SWING BY NEXT WEEK. IN IRRIGATED DISTRICTS, CROPS GENERALLY IN GOOD CONDITION WITH THE EXCEPTION OF SECOND CROP OF ALFALFA, WHICH WILL BE LIGHT DUE TO HOPPER INJURY. LIVESTOCK IN GOOD CONDITION. RANGE AND PASTURE FAIR.

HELENA, MONTANA,
JULY 30, 1935.

